

20010416.qrp v02\_n161.qrl.20010416

Date: Mon, 16 Apr 2001 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2161

QRP-L Digest 2161

Topics covered in this issue include:

- 1) [96400] Re: X14 flare - solar storm 4-15  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 2) [96401] Re: X14 flare - solar storm 4-15  
by Dave Fouchey <dafouchey@home.com>
- 3) [96402] TARA PSK next weekend QRP Class  
by "Jim" <sunwatt@starband.net>
- 4) [96403] Website  
by "Ed Tanton" <n4xy@att.net>
- 5) [96404] Whister Receiver Design Information  
by "Chris Trask" <ctrask@qwest.net>
- 6) [96405] VK on 1 watt ssb  
by Michael Goins <mgoins@usa.net>
- 7) [96406] Re: Official Fox Hunt TEAM results!  
by "Ken La Rose" <kenlar@csolve.net>
- 8) [96407] Canada Call Help  
by "Ron Polityka" <wb3aal@fast.net>
- 9) [96408] FS: Hi-Mound HK-708 Straight Key  
by "Kevin F. Glynn" <kfglynn@mindspring.com>
- 10) [96409] Another SMK-1 first  
by "Mike Branca" <w3irz@att.net>
- 11) [96410] Re: X14 flare - solar storm 4-15  
by "Mark Fancher" <mmfancher@earthlink.net>
- 12) [96411] Contest: ARCI Spring QSO Party - K7RE  
by Brian Kassel <bkassel@dancris.com>
- 13) [96412] More items for sale at web page.  
by Karl Heimbach <kheimbach@earthlink.net>
- 14) [96413] FS: HF & 220 Rigs  
by wb2vuo@juno.com
- 15) [96414] ARCI Party  
by "Chuck Carpenter" <w5usj@globeco.net>
- 16) [96415] 80M QRP Net  
by Paul Stroud <aa4xx@ipass.net>
- 17) [96416] PSK-80 Problem  
by "Richard Clemens" <clemens@wvwc.edu>
- 18) [96417] Contest (score adjustent)  
by KB7WW Art Moe <kb7ww@chatusa.com>
- 19) [96418] Extremely Rare QRP QSO

- by "N7SG K7FD" <k7fd@hotmail.com>
- 20) [96419] ARCI QSO PARTY  
by NM5Mike@aol.com
- 21) [96420] NC-40 manual  
by Richard Mulvey <mulveyr@iname.com>
- 22) [96421] Re: Whister Receiver Design Information  
by Pete Burbank <plburbank@kih.net>
- 23) [96422] Re: Whister Receiver Design Information  
by "Robert P. Okas" <vintage@best.com>
- 24) [96423] Thank You ArkieCon  
by "Jay Bromley" <w5jay@alltel.net>
- 25) [96424] N4BP QRP ARCI Spring Party  
by Bob Patten <n4bp@bc.seflin.org>
- 26) [96425] Re: Whister Receiver Design Information  
by "Steve Yates, AA5TB" <aa5tb@arrl.net>
- 27) [96426] Iowa QRP Club Election Results  
by "John Burnley" <burnleyia@home.com>
- 28) [96427] Re: Another SMK-1 first  
by "Karl F. Larsen" <k5di@zianet.com>
- 29) [96428] OP: World Amateur Radio Day  
by Kenneth Hoglund <hoglund@wfu.edu>
- 30) [96429] [TMPS] Tips on Working 30-m  
by "Conant, Paul" <paul.conant@lmco.com>
- 31) [96430] Portable tips wanted for July QRP Quarterly  
by "Mike Czuhajewski" <wa8mcq@erols.com>
- 32) [96431] FS Sierra Band Module Kits  
by "Rod Cerconey" <n0rc@hotmail.com>
- 33) [96432] Re: FS Sierra Band Module Kits  
by "Rod Cerconey" <n0rc@hotmail.com>
- 34) [96433] Ques on SW-40+, keyer enclosure project, new keyboard keyer from K1EL.  
by "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>
- 35) [96434] Re: FS Sierra Band Module Kits  
by "Rod Cerconey" <n0rc@hotmail.com>
- 36) [96435] VADER and ARCI Party  
by "Chuck Carpenter" <w5usj@globeco.net>
- 37) [96436] RE: Extremely Rare QRP QSO  
by "Charles Mabbott" <crmabbott@mediaone.net>
- 38) [96437] K2 and PSK31..  
by "Mike Yetsko" <myetsko@insydesw.com>
- 39) [96438] Re: Ques on SW-40+, keyer enclosure project, new keyboard keyer from K1EL.  
by mulveyr@iname.com
- 40) [96439] Re: K2 and PSK31..  
by Phil Wheeler <w7ox@earthlink.net>
- 41) [96440] Re: Ques on SW-40+, keyer enclosure project, new keyboard keyer from K1EL.  
by w.marty.ray@delphiauto.com

- 42) [96441] Ureka! -- VADER and ARCI Party  
by "Chuck Carpenter" <w5usj@globeco.net>
- 43) [96442] Re: Ques on SW-40+, keyer enclosure project, new keyboard keyer from K1EL.  
by mulveyr@iname.com
- 44) [96443] RE: VLF/Natural Radio Receivers  
by "Bob Follett" <bfollett@msn.com>
- 45) [96444] For Sale: Poqet PC  
by Paul Womble <pwomble1@tampabay.rr.com>
- 46) [96445] FS or FT : Intelligent Transceiver boards and book  
by "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>
- 47) [96446] Re: RF into networks  
by christian void <cvoid@morphine.com>
- 48) [96447] Poqet Sold  
by Paul Womble <pwomble1@tampabay.rr.com>
- 49) [96448] Re: September ARRL SW Convention QRP Forum  
by "Phinizy, William" <wphinizy@filenet.com>
- 50) [96449] 817 vs. K2  
by "Michael T. Haynie, KC0EXP" <kc0exp@caddistech.com>
- 51) [96450] Re: Intelligent transceiver boards - spoken for  
by "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>
- 52) [96451] Re: 817 vs. K2  
by mulveyr@iname.com
- 53) [96452] QQ  
by William R Colbert <w5xe@juno.com>
- 54) [96453] Re: 817 vs. K2  
by "Mike Yetsko" <myetsko@insydesw.com>
- 55) [96454] FS: Ten Tecs(lower prices)  
by "T.W." <wb5qyt@abq.com>
- 56) [96455] Re: 817 vs. K2  
by Phil Wheeler <w7ox@earthlink.net>
- 57) [96456] Re: 817 vs. K2  
by "Rod Cerkoney" <n0rc@hotmail.com>
- 58) [96457] Re: FS Sierra Band Module Kits  
by "Rod Cerkoney" <n0rc@hotmail.com>
- 59) [96458] Re: 817 vs. K2  
by John Wagner <john@neknetwork.com>
- 60) [96459] SMK-1  
by "Delbert Long" <ad6we@hotmail.com>
- 61) [96460] 817 vs K2  
by Joe Reed <joe@n9jr.dyndns.org>
- 62) [96461] Good to be back  
by "Delbert Long" <ad6we@hotmail.com>
- 63) [96462] Hello & OHR 100  
by Scott McCullough <mcwood@cornhusker.net>
- 64) [96463] FS Icom 706 and RT-11 Tuner  
by Ed Kessler <edkess@pa.net>
- 65) [96464] Test do not read

by Johannes Hiller <HANNES@ulmnetz.de>  
66) [96465] Mini-Paddle available now!  
by Johannes Hiller <HANNES@ulmnetz.de>  
67) [96466] Re: An Example for URL's  
by Bill Coleman <aa4lr@arrl.net>  
68) [96467] Re: 817 vs. K2  
by "Bob Tellefsen" <n6wg@earthlink.net>  
69) [96468] qrp'l work from anyplace.  
by Drbob92031@aol.com  
70) [96469] Call for papers or show and tell, Austin Summerfest Ham Convention,  
Aug. 3 & 4, 2001  
by "Stuart Rohre" <rohre@arlut.utexas.edu>

-----  
Date: Sun, 15 Apr 2001 17:25:22 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: Mark Fancher <mmfancher@earthlink.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [96400] Re: X14 flare - solar storm 4-15  
Message-ID: <Pine.SUN.4.10.10104151702380.13525-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 15 Apr 2001, Mark Fancher wrote:

> OK. I don't know a whole lot about solar activity and HF propagation. In  
> any case, could someone please explain why this activity is detrimental to  
> HF communications? I thought that peak solar activity was good for  
> propagation, thus the "peak of the solar cycle".

The active sun is both good and bad for HF propagation. The good part is the sun spits out more ionizing radiation during the active sun, which makes our ionosphere, specifically the E and F layers, more reflective to radio signals below the maximum usable frequency (MUF). So, that means good skip propagation on the higher bands. During the quiet sun, 10M and 15M are ABOVE the MUF and signals pass through the ionosphere out into space somewhere. So right now, at the solar maximum, good skip propagation occurs on 30M and above, including 15M and 10M daytime.

The bad is that during an active sun, there is also many large solar flares. These flares spit out two main types of energy: 1) the speed of light energy and 2) a super-sonic shockwave.

The speed of light stuff ionizes our ionosphere higher than normal. At first you would think that is good, since it would make the E and F layers more reflective (it does!). But it also ionizes the D-layer, causing high absorption to HF signals. Signals must pass through the

D-layer twice, going TO the E/F layers, and again coming back to earth. During and shortly after a major flare, this ionizing of the D-layer causes a couple of hours of radio blackout conditions, such as what happened this morning. This is called the SOLAR STORM phase.

A large flare also produces a large shockwave that pushes mass and particles from the sun out into space. This is called a coronal mass ejection (CME). The shockwave travels around 500-1000 km/sec. and thus takes 2-3 days to travel from the sun out to the orbit of the earth. If the earth happens to be in the trajectory path of the shockwave, it compresses our geomagnetic field when it hits, producing a GEOMAGNETIC storm, by the dynamo effect -- that is, generating large voltages and currents by moving a metal core through a magnetic field. In this case, our magnetic field is moving in respect to the earth, generating huge currents in our magnetic field (causing lots of QRM!) to inducing large voltages on electric lines that can cause power failures. This moving magnetic field from the geomagnetic storm also fuels spectacular auroral displays. Geomagnetic storms usually last from a few hours to a day.

So a large flare is a two punch storm ... punch one DURING the flare or solar storm, and punch two 2-3 days later when the shockwave hits the earth and triggers a geomagnetic storm.

> After a band black out, would we expect excellent propagation when the  
> "lights came back on"?

Exactly so, Mark. Good thinking. Because once the extra ionizing radiation from the flare goes away, the D-layer absorption returns to normal, but the E and F layers remain extra reflective for many hours. The D-layer recovers in 30-60 minutes after the flare, while the E and F layers will remain dense with free electrons until the normal solar energy goes away at sundown. Conditions will remain fairly good for about 2 days until the shockwave from the flare hits. But in the case of today's solar flare and storm, there is a very low chance the shockwave will hit planet earth. The geometry and trajectory is all wrong. At most we'll get a little fringe shock causing active conditions (a bit extra noise), but likely not a geomagnetic storm.

One final thing to remember some of you miss:  
The daily SOLAR FLUX effects the HIGHER BANDS, 20-10M, and has little effect on 30M and below.

The daily A-index, showing the activity of our magnetic field or a geomagnetic storm, effects the LOWER bands, primarily 40-160M. It takes a major geomagnetic storm to effect 30 and 20M with high noise.

That's why 30M is such a nice band. It's kinda caught between the effects of a solar storm and a geomagnetic storm, and thus fairly good

signals all the time. Of course, if the D-layer is being wiped out, this \*will\* effect 30M as well - but fairly short lived.

The best instructor is to take this information, and then scan the different ham bands yourself to get a first-hand feel of what happens. It really is pretty interesting.

72, Paul NA5N

PS - Thought we had a super aurora around noon with all the sparkling blue going on -- then realized it was just the sky after the clouds blew out :-)

-----  
Date: Sun, 15 Apr 2001 19:40:05 -0400  
From: Dave Fouchey <dafouchey@home.com>  
To: n0rc@hotmail.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [96401] Re: X14 flare - solar storm 4-15  
Message-ID: <4.1.20010415193819.00942500@mail>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

A "goof" primer? sounds like something I'd write...;-)

Paul and Rod & Dave you guys are a great source of info on the Solar events, thanks for the reports and the general info.

Dave  
WA4EMR/8

At 02:47 PM 4/15/2001 -0600, Rod Cercone wrote:

>Mark,

>

>A goof primer on HF propagation and solar effects can be found at:

>

><http://www.sec.noaa.gov/info/Radio.pdf>

>

>and

>

><http://www.sec.noaa.gov/primer/primer.html>

>

>The ARRL Handbook also has good introductory info.

>  
>----- Original Message -----  
>From: "Mark Fancher" <mmfancher@earthlink.net>  
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
>Sent: Sunday, April 15, 2001 02:21 PM  
>Subject: Re: X14 flare - solar storm 4-15  
>  
>  
>> OK. I don't know a whole lot about solar activity and HF  
>propagation. In  
>> any case, could someone please explain why this activity is  
>detrimental to  
>> HF communications? I thought that peak solar activity was good for  
>> propagation, thus the "peak of the solar cycle".  
>>  
>  
>Extracted from the first link above:  
>  
>A solar flare is a sudden energy release in the solar atmosphere from  
>which electromagnetic radiation and, sometimes, energetic particles  
>and bulk plasma are emitted (Figure 3). A sudden increase of x-ray  
>emissions resulting from the lower regions of the ionosphere on the  
>sunlit side of Earth. A sudden ionospheric disturbance (SID) of radio  
>signals can ensue. An SID can affect very low frequencies (e.g.,  
>OMEGA) as a sudden phase anomaly (SPA) or a sudden enhancement of  
>signal (SES). At HF, and sometimes at VHF, an SID may appear as a  
>short-wave fade (SWF). This disturbance may last from minutes to  
>hours, depending upon the magnitude and duration of the flare.  
>  
>73, Rod NØRC  
>Ft Collins CO  
>  
>

-----  
Date: Sun, 15 Apr 2001 18:45:32 -0500  
From: "Jim" <sunwatt@starband.net>  
To: "QRP-L" <qrp-L@Lehigh.edu>, "PSK31-L" <psk31@egroups.com>, "DigitalRadio"  
<digitalradio@yahoogroups.com>  
Subject: [96402] TARA PSK next weekend QRP Class  
Message-ID: <007a01c0c606\$331fcf40\$9a354794@computer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The rules are laid out in the latest QST. And you can see all the info, rules, plus last years results at this webpage.

<http://www.qsl.net/wm2u/psk31.html>

Let me save you the trouble of looking to see who took 1st place in "Super" class, (QRP) PSK31 last time!!

It was the Arkansas QRP Club stn NQ5RP !!

| Callsign | Super | #QSO's | W | VE | JA | VK | DX | Score |    |      |
|----------|-------|--------|---|----|----|----|----|-------|----|------|
| NQ5RP    | Super | 75     |   | 19 | 3  | 0  |    | 1     | 11 | 2550 |
| US0YA    | Super | 32     |   |    | 0  | 0  | 0  | 0     | 24 | 768  |
| F5UL     | Super | 32     |   |    | 2  | 0  | 0  | 0     | 18 | 640  |
| WD4GBW   | Super | 50     | 9 |    | 0  | 0  | 0  | 31    |    | 279  |
| WD5CBL   | Super | 15     |   | 9  | 0  | 0  |    | 0     | 3  | 180  |

Bob, N9ZZ and I worked everything we could hear, and got 75 QSO's. Other's got more DX, but we still carried the day.

Do you like psk31? Do you run QRP 5 watts?

Then give us a good run for the prize!

Prize???

Bob N9ZZ is going to be wearing the official TARA baseball cap in the contest, right Bob?

Hope to print as many of you'all as we can this time.

OK you QRP PSK'ers, CU in the TARA Rumble!

72's Jim KJ5TF

-----  
Date: Sun, 15 Apr 2001 19:51:20 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>  
Cc: "Boatanchors-Tempe" <BOATANCHORS@LISTSERV.TEMPE.GOV>, "Boatanchors Reflector-Jack" <boatanchors@theporch.com>, "CW Reflector" <cw@qth.net>, "Homebrew Reflector" <homebrew@qth.net>, "SWL Reflector" <swl@qth.net>, "Test Equipment Reflector" <test-equipment@qth.net>  
Subject: [96403] Website



Message-ID: <CKEGICNFDIMCEKEDCEHFCEABGNAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Folks... I have updated my website in several areas... but more importantly, have-I believe-cured a problem plaguing me for about a year. If you have been to my site and have not been able to see some of the 'objects' or photos on the site, I have-hopefully-cured it. I invite you to take a fresh look. And in the next few weeks: the audio switcher project design has been frozen, and I am hard at work on the entire suite of schematics. They will be added as they are completed. Thanks for the BW.

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

R-390: Motorola SN: 374

R-390-A: Capehart SN: 2241

51S-1 WE SN: 4389

-----  
Date: Sun, 15 Apr 2001 16:58:24 -0700  
From: "Chris Trask" <ctrask@qwest.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "  
Lowfer" <lowfer@qth.net>  
Subject: [96404] Whistler Receiver Design Information  
Message-ID: <3ADA35A0.D862DA9@qwest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

With all of this ionospheric activity taking place, I'm reminded that some time ago I was interested in putting together a whistler receiver. Does anyone know of a published design article that I can locate in a library that would give some direction? I may be traveling up north to hike in Nevada and Utah later this year, and I would have a good opportunity to do some listening.

Chris

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  / extinct stuff, anyhow? \
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# High Performance Mixers and Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@qwest.net  
http://www.\*\*\*\*\*.net/~ctrask

Graphics by Loek Frederiks

Date: 15 Apr 2001 19:05:17 EST  
From: Michael Goins <mgoins@usa.net>  
To: qrp-1@lehigh.edu  
Subject: [96405] VK on 1 watt ssb  
Message-ID: <20010416000517.10506.qmail@aw164.netaddress.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

Just worked VK3CZ at 28.425.1 with 1 watt on ssb with the crummy band conditions. Used the new (used) scout 556. Still don't have really good audio punch, but happy dancing here!

mike  
wb5yix

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Sun, 15 Apr 2001 20:23:32 -0400

From: "Ken La Rose" <kenlar@csolve.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [96406] Re: Official Fox Hunt TEAM results!  
Message-ID: <000901c0c60b\$7e68a120\$ca99d0d8@kenlar>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Congratulations to the "Big Dawgs" QRP-L Foxhunt team!

Will anyone from that team be attending FDIM next month? I'd like to make the awards presentation there, if possible.

73, de Ken VE3ELA Midland, On.

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Date: Mon, 16 Apr 2001 00:30:04 -0400  
From: "Ron Polityka" <wb3aal@fast.net>  
To: ". QRP-L" <qrp-1@Lehigh.EDU>  
Subject: [96407] Canada Call Help  
Message-ID: <00d801c0c62d\$e984db00\$760e5cd1@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello,

Anyone know VE3SMA?  
Does Steve have an e-mail address??

Many thanks in advance!

72 & 73  
Good DXing

Ron Polityka  
de WB3AAL  
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv  
<http://www.n3epa.org>  
Eastern Pennsylvania QRP Club Call

N3EPA E-mail address: n3epa@fast.net

|                    |                  |
|--------------------|------------------|
| EPA QRP #1         | ARRL Life Member |
| KL7 QRP # 309      | G-QRP # 3031     |
| ARCI QRP # 5318    | 10 - X #13173    |
| NorCal             | Zombie #625      |
| ARS # 380          | HI QRP #153      |
| VA QRP Society #45 | MI QRP #1703     |
| K2 sn1392          | NJ QRP #179      |

-----  
Date: Sun, 15 Apr 2001 20:45:52 -0400  
From: "Kevin F. Glynn" <kfglynn@mindspring.com>  
To: <qrp-1@lehigh.edu>  
Cc: <njqrp@njqrp.org>  
Subject: [96408] FS: Hi-Mound HK-708 Straight Key  
Message-ID: <002901c0c60e\$9a02f220\$2f28f7a5@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi gang,

FYI I have one more thing for sale:

Price includes shipping to lower 48 states:

Hi-Mound HK-708 Straight Key, mint condition \$45

Bought key from Morse Express.

Thanks

72 Kevin N2T0  
Brooklyn, NYC  
kfglynn@mindspring.com

-----  
Date: Sun, 15 Apr 2001 19:50:08 -0500  
From: "Mike Branca" <w3irz@att.net>  
To: "NOGA\_onlist \ (E-mail\)" <nogaqrp@qth.net>, "Posting" <qrp-1@Lehigh.EDU>  
Subject: [96409] Another SMK-1 first

Message-ID: <004401c0c60f\$4442a000\$340b4d0c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Last year I did a superhet mod to the SMK-1 transceiver and it was published in the Spring 2000 issue of QRP Homebrewer. Mike Boatwright, K04WX recently did the same mod with the addition of an IF amplifier from the Paul Harden, NA5N Data Book. I also added the IF amplifier to my rig.

The point of this is that today we made the first known contact between two stations using the superhet mod in the SMK-1. I personally have difficulty using direct conversion receivers (probably due to my ADD)so this conversion has made my SMK-1 a useful, fun rig.

Judging from the QRP publications there seem to be no limits to the modifications of this nice kit. It kinda reminds me of all the modifications of the WW2 ARC 5 command rigs back in the 1950's.

Mike Branca W3IRZ in Conyers Georgia

-----  
Date: Sun, 15 Apr 2001 21:12:54 -0400  
From: "Mark Fancher" <mmfancher@earthlink.net>  
To: "Paul Harden, NA5N" <na5n@rt66.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [96410] Re: X14 flare - solar storm 4-15  
Message-ID: <007d01c0c612\$5feaaca0\$0e2c56d1@GEARemote>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks, Paul! What an interesting topic.

Mark, W09G  
----- Original Message -----  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Sunday, April 15, 2001 7:25 PM  
Subject: Re: X14 flare - solar storm 4-15

>  
> On Sun, 15 Apr 2001, Mark Fancher wrote:

> > OK. I don't know a whole lot about solar activity and HF propagation.  
In

> > any case, could someone please explain why this activity is detrimental  
to

> > HF communications? I thought that peak solar activity was good for  
> > propagation, thus the "peak of the solar cycle".

>

> The active sun is both good and bad for HF propagation. The good part is  
> the sun spits out more ionizing radiation during the active sun, which  
> makes our ionosphere, specifically the E and F layers, more reflective  
> to radio signals below the maximum usable frequency (MUF). So, that means  
> good skip propagation on the higher bands. During the quiet sun, 10M and  
> 15M are ABOVE the MUF and signals pass through the ionosphere out into  
> space somewhere. So right now, at the solar maximum, good skip  
> propagation occurs on 30M and above, including 15M and 10M daytime.

>

> The bad is that during an active sun, there is also many large solar  
> flares. These flares spit out two main types of energy: 1) the speed of  
> light energy and 2) a super-sonic shockwave.

>

> The speed of light stuff ionizes our ionosphere higher than normal. At  
> first you would think that is good, since it would make the E and F  
> layers more reflective (it does!). But it also ionizes the D-layer,  
> causing high absorption to HF signals. Signals must pass through the  
> D-layer twice, going TO the E/F layers, and again coming back to earth.  
> During and shortly after a major flare, this ionizing of the D-layer  
> causes a couple of hours of radio blackout conditions, such as what  
> happened this morning. This is called the SOLAR STORM phase.

>

> A large flare also produces a large shockwave that pushes mass and  
> particles from the sun out into space. This is called a coronal mass  
> ejection (CME). The shockwave travels around 500-1000 km/sec. and thus  
> takes 2-3 days to travel from the sun out to the orbit of the earth. If  
> the earth happens to be in the trajectory path of the shockwave, it  
> compresses our geomagnetic field when it hits, producing a GEOMAGNETIC  
> storm, by the dynamo effect -- that is, generating large voltages and  
> currents by moving a metal core through a magnetic field. In this case,  
> our magnetic field is moving in respect to the earth, generating huge  
> currents in our magnetic field (causing lots of QRM!) to inducing large  
> voltages on electric lines that can cause power failures. This moving  
> magnetic field from the geomagnetic storm also fuels spectacular auroral  
> displays. Geomagnetic storms usually last from a few hours to a day.

>

> So a large flare is a two punch storm ... punch one DURING the flare or  
> solar storm, and punch two 2-3 days later when the shockwave hits the  
> earth and triggers a geomagnetic storm.

>

> > After a band black out, would we expect excellent propagation when the

> > "lights came back on"?  
>  
> Exactly so, Mark. Good thinking. Because once the extra ionizing  
> radiation from the flare goes away, the D-layer absorption returns to  
> normal, but the E and F layers remain extra reflective for many hours.  
> The D-layer recovers in 30-60 minutes after the flare, while the E and  
> F layers will remain dense with free electrons until the normal solar  
> energy goes away at sundown. Conditions will remain fairly good for about  
> 2 days until the shockwave from the flare hits. But in the case of  
> today's solar flare and storm, there is a very low chance the shockwave  
> will hit planet earth. The geometry and trajectory is all wrong. At  
> most we'll get a little fringe shock causing active conditions (a bit  
> extra noise), but likely not a geomagnetic storm.  
>  
> One final thing to remember some of you miss:  
> The daily SOLAR FLUX effects the HIGHER BANDS, 20-10M, and has little  
> effect on 30M and below.  
>  
> The daily A-index, showing the activity of our magnetic field or a  
> geomagnetic storm, effects the LOWER bands, primarily 40-160M. It takes  
> a major geomagnetic storm to effect 30 and 20M with high noise.  
>  
> That's why 30M is such a nice band. It's kinda caught between the  
> effects of a solar storm and a geomagnetic storm, and thus fairly good  
> signals all the time. Of course, if the D-layer is being wiped out,  
> this \*will\* effect 30M as well - but fairly short lived.  
>  
> The best instructor is to take this information, and then scan the  
> different ham bands yourself to get a first-hand feel of what happens.  
> It really is pretty interesting.  
>  
> 72, Paul NA5N  
>  
> PS - Thought we had a super aurora around noon with all the sparkling  
> blue going on -- then realized it was just the sky after the clouds  
> blew out :-)  
>  
>  
>  
>

-----  
Date: Sun, 15 Apr 2001 18:30:13 -0700  
From: Brian Kassel <bkassel@dancris.com>  
To: QRP-L <QRP-L@lehigh.edu>, azqrp <azqrp@extremezone.com>  
Subject: [96411] Contest: ARCI Spring QSO Party - K7RE

Message-ID: <3ADA4B25.75E67D42@dancris.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gangue:

Here are my Contest results for this weekend's ARCI Spring QSO Party:

As Al, K0FRP said: "The Sun Won!"

Yep, as I listened to the endless noise, I thought about how easy it was to make 100+ Q's in the Spartan Sprint (4 hours) in early April.

I can't remember a contest that was so rough for so long. I didn't work any 1's or 2's on 15M until 3 hours before the END of the contest! The propogation gods must be making us pay for our previous contest fun I guess ;)

Here's my (as he puts his head ashamedly under his arm) score:

Exchange K7RE 559 AZ 3623  
Team: Aluminum Kings

| Band   | QSOs | Points | Mult's |
|--------|------|--------|--------|
| 160    | 0    | 0      | 0      |
| 80     | 0    | 0      | 0      |
| 40     | 18   | 81     | 12     |
| 20     | 161  | 674    | 43     |
| 15     | 61   | 269    | 28     |
| 10     | 1    | 5      | 1      |
| 6      | 0    | 0      | 0      |
| 2      | 0    | 0      | 0      |
| Totals | 241  | 1029   | 84     |

TX Power Code = 10; My member number = 3623;  
Total Score: 864,360 Points

I had hoped for 3 million this time, nadda. Did the whole 24 hours too. My penance is paid up for 2 Lents and an advent ;)

Still, it was my pleasure guys, it can only get better ;) Thanks to Randy Foltz (who suffered right along with us), and ARCI for sponsoring this event.



Brian K7RE

-----  
Date: Sun, 15 Apr 2001 20:43:10 -0500  
From: Karl Heimbach <kheimbach@earthlink.net>  
To: boatanchors@qth.net, boatanchors@listserv.tempe.gov, forsale-swap@qth.net,  
heathkit@cyberventure.com, HEATH@listserv.tempe.gov, milsurplus@qth.net,  
qrp-l@Lehigh.edu  
Subject: [96412] More items for sale at web page.  
Message-ID: <5.0.2.1.2.20010415202450.00a63d30@mail.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I've updated my page at <http://home.earthlink.net/~kheimbach/>  
and have added a few new items:

- 1) Serial number 1 FSK test oscillator developed as part of Project Lincoln at MIT.
- 2) Mini digital VFO for QRP transmitters/receivers/tranceivers.
- 3) Partial TBX-4 accessory kit.
- 4) TU-7B and TU-26B tuning units for B-17/B-24 bomber radio transmitters.
- 5) A couple of pieces of test equipment.
- 6) Other junk.

Thanks for all the responses to date.

Karl - W5QJ

3) TU-7-B and TU-26-B

-----  
Date: Sun, 15 Apr 2001 22:29:01 -0400  
From: wb2vuo@juno.com  
To: qrp-l@lehigh.edu  
Subject: [96413] FS: HF & 220 Rigs

Message-ID: <20010415.222903.-4060091.0.wb2vuo@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Not mine, but a visually-impaired ham in the area.

Lou, K2LKK has been gradually losing his vision, and is now at the point that even with outside illumination he can't make out LCD displays.

What he's doing is to go with rigs with speech boards and/or computer interfaces (then using JAWS to talk to him)

The following are for sale:

1 - Icom IC-735, including the PS-15 power supply, the SM-6 desk mike and the 500 Hz CW filter. Rig is a 9+ out of 10. I check it out and it functions just fine.

Asking \$575 for the package plus shipping (USA only!)

2 - Kenwood TM-331 220 MHz FM rig. This one needs a new memory backup battery. Works fine but you have to redial whatever frequency you are going to use or never turn the rig off.

Asking \$250.00 plus shipping

Contact Lou directly at k2lkk@eznet.net or call him at 716.323.1294

73, Keith, WB2VUO

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Sun, 15 Apr 2001 21:45:16 -0500

From: "Chuck Carpenter" <w5usj@globeco.net>

To: qrp-1@Lehigh.EDU

Subject: [96414] ARCI Party

Message-ID: <3.0.2.32.20010415214516.006c112c@mail.globeco.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Great Stuff,

Thanks to all who helped me achieve my personal best in the ARCI contest.

Lots of familiar calls. Apologies to those who greeted me by name 'cuz I couldn't reciprocate.

Even had a couple of contacts Sunday am on 28 MHz before the storm hit. And some three banders too, notably Bob, N4BP.

Now, if I can just figure out my log and file the report... 8^).l..

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275  
Zombie #749, RARA #3, NETXQRP Web Site <http://www.netxqrp.org>  
[TMPS] Qs - 115, States - 39, DX - 25, 3W to HF9V (or W9INN Inv V)

-----  
Date: Sun, 15 Apr 2001 23:01:23 -0400  
From: Paul Stroud <aa4xx@ipass.net>  
To: klqrp <Klqrp@knightlites.org>, QRP-L <QRP-L@lehigh.edu>  
Subject: [96415] 80M QRP Net  
Message-ID: <3ADA6083.6E6B1ECA@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gang,

Last weekend, April 8th, a number of KL's were involved with the Raleigh Hamfest, so turnout for the Sunday evening KL Net was pretty sparse. Max-WG4Z reported in early and Bob-AE4IC also turned out for the April 8th session.

The April 15th session of the KLN saw a good turnout with the following folks joining us:

WG4Z Max Charlotte, NC - Max was running his Paragon to a dipole

AE4IC Bob Greensboro, NC - Bob was running his K2 at 5W with a horizontal loop.

AC4QX Lauren Cary, NC - Lauren was running 5W from his Delta II, using his 40M dipole fed as a random wire. A nice signal to boot!

KG4DZU Bruce Gibsonville, NC - This was Bruce's first check-in. He was

running 4 watts with a nice signal.

KF4LMZ Pat     Rock Hill,     SC - I believe this was also Pat's first QNI  
to the KL Net. Thanks Pat, for hanging  
in there through the heavy QRN.

AA4XX Paul     Raleigh,     NC - Net Control Station, running a Sierra at  
1W into an 80M dipole up 60 feet.

The Knightlite's QRP Net meets each Sunday evening at 9PM EDT on 3686.4  
kHz.

We invite any interested hams to join us for our laid back sessions.

72, Paul     AA4XX

-----  
Date: Sun, 15 Apr 2001 23:04:53 -0400  
From: "Richard Clemens" <clemens@wvwc.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96416] PSK-80 Problem  
Message-ID: <004e01c0c622\$082c90e0\$13750cd8@wvwc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

If I try to drive my PSK-80 beyond 2 watts it seems to get itself stuck in  
transmit mode sending a 10 or 15 watt (so my meter says) signal. Works  
dandy if I watch the drive carefully. Is this a known problem?

--

Rich Clemens  
clemens@wvwc.edu

-----  
Date: Mon, 14 Apr 2008 20:15:20 -0700  
From: KB7WW Art Moe <kb7ww@chatusa.com>  
To: qrp <qrp-1@lehigh.edu>  
Subject: [96417] Contest (score adjustent)  
Message-ID: <48041DC8.21111DAC@chatusa.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

A nasty rumor has started. The contest committee will adjust scores for the spring contest based on your location. Because of the state of the geomagnetic field during the contest a fudge factor will be incorporated in the final scoring. This fudge factor will be based on your latitude. This will only apply to stations in Canada and the United States only, not DX.

Here is how it will work, since conditions get worse as you go north towards the aurora belt the committee will take your latitude and divide it by the highest "A" index during the contest, (36 I believe) then multiply that by your final claimed score. See example below.

Station location 45 degrees north  
High "A" index = 36  
Fudge factor = 1.25

Claimed score = 500,000  
Fudge factor = 1.25  
Final score = 625,000

For those of you in the sunbelt, 35 degrees and further south you will see your score go down. (sorry, but living in the sunbelt has other advantages).

Thanks gang for the Q's log summery later.

Rumor Control

Art  
KB7WW

-----  
Date: Sun, 15 Apr 2001 20:16:48 -0700  
From: "N7SG K7FD" <k7fd@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [96418] Extremely Rare QRP QSO  
Message-ID: <F161ecm9t0CI76r0JhK00006f19@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Believe it or not, I had a qrp qso today where NEITHER op was using a K2 or K1!!! Dan N TK was on his DSW40 and I on my NC40a...unbelievable! ;)

73 John K7FD, NC40a/K1/K2/SST20...all rigs from 'Wayne's World'...

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com>

-----  
Date: Sun, 15 Apr 2001 23:27:52 EDT  
From: NM5Mike@aol.com  
To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)  
Subject: [96419] ARCI QSO PARTY  
Message-ID: <70.9a5b5f4.280bc0b8@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

NM5M

Total score 781,942

Operated for 16 hours.

Conditions were tough, however I was called by several Europeans and a UA9 on 20 meters.

Score breakdown

|     | QSOS | SPC |
|-----|------|-----|
| 10M | 4    | 4   |
| 15M | 46   | 19  |
| 20M | 164  | 43  |
| 40M | 63   | 35  |

Thanks to WX0B for letting me use his "most excellent" station.

Killer antennas used:

Three 4 element monoband 10 and 15 meter yagis stacked on a 115 ft tower.

Three 4 element 20 meter Yagis stacked on a 130 ft tower

A 2 ele yagi on 40 meters at 50 ft.

Radio: FT 1000MP at 4W.

For those that I worked, thanks for the "Q"!

73,

Eric NM5M

-----  
Date: 15 Apr 2001 23:34:48 -0400  
From: Richard Mulvey <mulveyr@iname.com>  
To: qrp-1@lehigh.edu  
Subject: [96420] NC-40 manual  
Message-ID: <200104160341.XAA31697@mulvey.dyndns.com>  
Content-Type: text/plain  
Mime-Version: 1.0

Does anyone out there have an electronic copy of the original Norcal 40 manual ( maybe someone has scanned it in. :-), or one they could copy for me? I'll pay for copying/postage costs, of course.

I've been dusting off the NC-40 I built when I first got licenced, and I can't seem to find my manual, and I'd like to get a copy of the schematic and alignment instructions.

Thanks!

- Rich

-----  
Date: Mon, 16 Apr 2001 00:10:21 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: ctrask@qwest.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96421] Re: Whister Receiver Design Information  
Message-ID: <5.0.2.1.0.20010415235224.00a75a10@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:58 PM 4/15/2001 -0700, Chris Trask wrote:

> With all of this ionospheric activity taking place, I'm reminded  
> that some time ago I was interested in putting together a whistler  
> receiver. Does anyone know of a published design article that I can  
> locate in a library that would give some direction? I may be traveling  
> up north to hike in Nevada and Utah later this year, and I would have a  
> good opportunity to do some listening.  
>  
> Chris

Chris and gang

Far circuits has a board and literature for one of Joe Carr's designs. I started to build it but it seems that the Toko coils have been discontinued. It needs close to 140 mH for the rf stages. I'll have to get on the Lowfer list for more info.  
73Pete NV4V

-----  
Date: Sun, 15 Apr 2001 22:09:57 -0700 (PDT)  
From: "Robert P. Okas" <vintage@best.com>  
To: Chris Trask <ctrask@qwest.net>  
Cc: qrp-1@lehigh.edu  
Subject: [96422] Re: Whister Receiver Design Information  
Message-ID: <Pine.BSF.4.21.0104151845070.26878-100000@shell114.ba.best.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello to Chris & the Gang,

I recently received my copy of "Lost and Found Sound, Vol. 1", a premium for contributing to a public radio station here in the States. There was a segment pertaining to atmospherics and, I must say, the recording quality was excellent. It was titled "Listening to the Northern Lights." There are lots of phenomena such as whistlers and chorus in the recording, which was apparently made far enough away from the power grid. Common knowledge suggests that these sounds are lightening induced. Has anyone really heard the sounds an aurora makes?

73,  
Bob - W3CD  
Does anyone really know what time it is? - Chicago

On Sun, 15 Apr 2001, Chris Trask wrote:

>  
> With all of this ionospheric activity taking place, I'm reminded  
> that some time ago I was interested in putting together a whistler  
> receiver. Does anyone know of a published design article that I can  
> locate in a library that would give some direction? I may be traveling  
> up north to hike in Nevada and Utah later this year, and I would have a  
> good opportunity to do some listening.  
>  
> Chris  
>  
>



```

>
> /      What's all this      \
> / extinct stuff, anyhow? \
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Chris Trask / N7ZWY  
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IEEE Member #40274515

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[http://www.\\*\\*\\*\\*\\*.net/~ctrask](http://www.*****.net/~ctrask)

Graphics by Loek Frederiks

Graphics by Loek Frederiks

Date: Mon, 16 Apr 2001 01:20:51 -0500  
From: "Jay Bromley" <w5jay@alltel.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [96423] Thank You ArkieCon  
Message-ID: <002a01c0c63d\$63137c60\$6518150a@alltel.net>

Gang Hi,  
I just want to give a note of thanks to all that supported ArkieCon. This year event was really special. The prizes were good and the speakers were just plain fantastic. I have heard Jim Kortge, George Heron, Tony Fishpool, and Graham Firth before, but there was something magical with all the forums. Even our MC Doug Hendricks was better than I've seen him before. Maybe they were more relaxed from all the good old southern hospitality. I am not sure what happen, but they all were great. Thank you ArkieCon Speakers from the Fort Smith QRP Group and hope we can do this again soon.

Jerry Parker gets a big round of applause for doing the pre-registration, ArkieCon Badges, and giving away some of his neat shirts. Speaking of shirts Dave Fifield of the Red Hot Radio Fame gave away a ton of Red Hot Shirts and I know Doug was glad to lighten up his baggage load. The free shirts were a big hit. Thanks again Jerry and Dave!!

The New Jersey QRP Club donated three prizes---The super hot Warbler PSK-31 kit, a SMK case kit, and a New Jersey PSK-31 beacon kit. Thanks George

Heron and the New Jersey QRP Club.

Vern Wright pumped up the main prize war chest again this year by donating a complete MP-1 antenna system to go along with our Yaesu FT-817. I was concerned that Vern had brought too many antennas with him. This is a real conservative area and to be honest I thought he might sell a couple or three at the most. I didn't want to see Jim Cates having to carry these back for Vern, grin. It just goes to show that I am a better worker than a thinker. Vern set up on the main hamfest floor and they went like hot cakes. In fact even before the hamfest began there were people tracking Vern down at the motel to buy the MP-1s. The Vern Wright MP-1 antenna along with the Yaesu FT-817 has to be the hottest selling QRP portable combination going (is there anything else that comes close???). It was real neat coming into the motel parking lot on Saturday night seeing all those porky pines MP-1s sticking out from the motel windows. I got to play with Dave Yarnes' FT-817/MP-1 combo and what fun. This was a bad weekend propagation wise and Dave's log book made me drool with European contacts. Thanks again Vern for your support and hanging with the ArkieCon gang!

Also rounding out our main prize package were Dennis Foster's TeNeKEs. Dennis is very similar to Vern in the way he always supports QRP and Ham Radio. I don't know how much product Dennis has given away over the years. If a kid comes up to Dennis's booth with more interest than money, usually there is an under the counter deal in the kid's favor. I sure wish we could clone people like Dennis. With a few more like Dennis, ham radio would be in great shape for a long time to come! Oh I almost forgot, if you have not see or used some of Dennis's keys you are in for a treat. They are very nice sending keys, prefect for the field when you need to lighten up, just ask Dave Yarnes, W7AcesQueensKings.

I couldn't have been more happy with ArkieCon's Main Prize Give Away or the person that received it. And that person was Chuck Carpenter, W5USJ, of the Arkie-Can-Mobile fame. When you do these prize giveaway's you always want them to go to special people. Chuck and his XYL Margie came up on their anniversary. Margie just came into the room after Chuck won the prize and she was as tickled for Chuck's winning the prize as Chuck was. It was really neat to see another fine couple when the main prize!

This year's theme on QRP portability worked out great. Shame the bands weren't any better that afternoon or for Saturday Night's Open house. It didn't matter thanks to the Iowa/Nebraska bunch. With PSK-31 and Regen demonstrations no one notice how bad the bands were. Man that Mike Fitzgibbon is one mean builder and you must see his homebrew regen receiver. In June if you are up in the Iowa area (even if your not) you owe it to yourselves to meet these fine folks of QRP. Look for posts from John Burnley coming soon for the Iowa QRP forums.

We also had car loads of folks from Houston, Dallas, St.Louis/Missouri area.

Too many Folks to mention, but these QRP hams drove from a far piece and really added to the fun. Check out these web-sites from the Houston bunch and W0CH.

<http://www.hqrp.stevens.com/index.htm>

<http://www.hqrp.stevens.com/Arkiecon2001.htm>

<http://www.qsl.net/w0ch>

<http://showcase.netins.net/web/w0ch>

A special note of thanks to all the ArkieCon attendees. QRPers are the greatest group of hams and show it every time there is a QRP event anywhere. It sure is funny to watch the other hams looking in from the outside. They can't put their finger on it, but know there is something very special going on that will last as long as there is ham radio. Thank you all, you are the greatest!!

I am not sure but I think the farthest driving award goes to Jim Duffey, Dr. Megacycle. Last year this award went to Paul Harden and he was missed by all the Fort Smith gang this year! Jim I wish there was more time to chat, I can't wait to see you and Paul again at Tuthill. Oh by the way Jim, the kids say you cheat at cards and they can't wait for rematch.

Last but not lest goes to the Fort Smith QRP Group and the Fort Smith Area hams that put on the Hamfest. I do very little work, but get a lot of the credit! I am the luckiest ham on the planet!! I have fine folks like Keith Newman, Kathy Vines, Gov. Win Dooley, Judge Kelsey Mikel, Curt Furtado, and Amy Dodd to back me up and I get to hang out with world class QRPers. Boy I have it rough, visiting inside my house Dave Yarnes, Jim Cates, Jim Kortge, George Heron, Doug Hendricks ( yes gang Doug still sleeps in and snores big time, just ask Derek), Mike Fitzgibbon, John Burnley, Dr. Jim MegaCycle, Curt Furtado, Vern Wright, the Britts Tony Fishpool and Graham Firth. The hardest thing for me to do was to overcome the adrenalin rush and to get the Britts accent out of my head. Its weird after Tony and Graham left I could still here there voices inside my head when talking to people. I even started talking like them and it is just now wearing off. Good thing I live in Arkansas, grin.

Speaking of Hanging Judge Kelsey, he went above the call of duty to obtain the lost ArkieCon Badges. When he found out the badges hadn't made it in he went to talk to Lisa Lincks, KB5BQM, who works for the USPS. The next thing I know Lisa is using Kelsey's phone talking to supervisors and then I see Kelsey going out the door. He literally went up and down every street in the area to find my post women and got the missing badges! Hanging Judge Kelsey sure has power in Fort Smith and that's why his call is K5PWR. Thanks Kelsey and Lisa for the extra effort. The ArkieCon attendees sure enjoyed getting and wearing those badges! They sure looked good out on the main floor of the hamfest.

That's it. I hope I didn't leave anyone out. I still don't know how I got this involved in anything. If you had told me 10 years ago that ArkieCon would have happen I would have thought you were nuts. I am very thankful to be included in the QRP Fraternity and to have such fine friends know as "QRPers"!!!

See you next year and 73 de w5jay or just---- jay..

-----  
Date: Mon, 16 Apr 2001 03:13:15 -0400 (EDT)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: Elecraft Reflector <elecraft@qth.net>, QRP-L Reflector <qrp-l@lehigh.edu>  
Subject: [96424] N4BP QRP ARCI Spring Party  
Message-ID: <Pine.3.89.10104160328.A14862-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

N4BP Summary follows:

Band Q's M's

==== === ===

|     |     |    |
|-----|-----|----|
| 160 | 2   | 1  |
| 80  | 2   | 1  |
| 40  | 107 | 31 |
| 20  | 179 | 44 |
| 15  | 93  | 36 |
| 10  | 10  | 7  |

=====

TOT 393 120 1,324,680

Yes, I was also affected by the flare. By the time the bands came back, I had to QRT to be with family for Easter. And just as 10M was starting to get good! No telling how many mults I lost by that bad timing...

If 15 & 10 were my downfall, 40 was my salvation. I think this was the most Q's and M's I've made on that band in an ARCI Party...

The owner of the vacant lot behind me picked this weekend to clear and fill it. Which meant that my 80/160 antenna had to come down. The two Q's on each of those bands were with my neighbors, both using the beam - didn't even bother trying to tune it..

Used the K2 at five watts. Logged with NA v10.51. Operated 23 hours.

10/15/20 - TH7-DXX @ 65ft

40 - 402BA @ 50ft

80/160 - TH7-DXX :-(

Thanks to all for the Q's!

73,

Bob Patten, N4BP

' ' ' '  
( 0 0 )

Plantation, FL

-----o00o-( )-o00-----

E-Mail: [n4bp@bc.seflin.org](mailto:n4bp@bc.seflin.org)

Web Page: <http://www.qsl.net/n4bp>

Brass Pounder BBS: (954) 472-7715

QRP ARCI #3412

FISTS #7871

ARS #799

SOC #1

Whiners #6

-----  
Date: Mon, 16 Apr 2001 06:24:55 -0500

From: "Steve Yates, AA5TB" <[aa5tb@arrl.net](mailto:aa5tb@arrl.net)>

To: QRP-L Distribute <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>

Subject: [96425] Re: Whister Receiver Design Information

Message-ID: <001101c0c667\$ddddd6c0\$48703ed8@pavilion>

MIME-version: 1.0

Content-type: text/plain; charset="iso-8859-1"

Content-transfer-encoding: 7bit

Hi Chris,

Here is a page that has information on what I built my receiver after many years ago:

<http://image.gsfc.nasa.gov/poetry/inspire/>

I also have some information on VLF and the receiver that I built here:

<http://www.geocities.com/aa5tb/longwave.html>

73,

Steve Yates - AA5TB

Fort Worth, Texas

Grid Square: EM12gs

aa5tb@arrl.net

<http://www.geocities.com/aa5tb>

-----  
Date: Mon, 16 Apr 2001 06:55:44 -0500

From: "John Burnley" <burnleyia@home.com>

To: <qrp-1@lehigh.edu>

Subject: [96426] Iowa QRP Club Election Results

Message-ID: <007a01c0c66c\$2b253440\$1b790818@c149552-a.west1.ia.home.com>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Please join me in congratulating the following  
IAQRP'ers who have been elected officers in the club:

Larry Stambaugh WB0RMT    President

Jerry Huldeen            WB0T            Vice President

Mark Milburn            KQ0I            Sec/Treasurer

All three have been involved with the club from the beginning and  
have been active forces contributing to the success that we have  
seen.

I would like to thank Larry, Jerry, and Mark for their help to me over  
the last 3 years and I look forward to repaying the favor(s) during  
their tenure. I would also like to thank Adam Kanis AK0P for running  
the FTP site as well as IAQRP-L; Dan Case KB0JUL who initially  
set up and ran the IAQRP website; and Walt Holling N9MZP who  
assumed the website manager duties later. And finally  
thanks to all who have written articles for the newsletter,  
donated some time to help at the hamfest displays, and  
stepped forward when we needed help.

72, John NU0V

-----  
Date: Mon, 16 Apr 2001 06:16:53 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Mike Branca <w3irz@att.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96427] Re: Another SMK-1 first  
Message-ID: <Pine.LNX.4.31.0104160614010.2556-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mike, I put my Radio Shack DSP unit behind the SMK-1 receiver and it makes it a thousand percent better reciever. Very easy to do as well. Now with the 5 watt mod I'm a big gun on 7040.

On Sun, 15 Apr 2001, Mike Branca wrote:

> Last year I did a superhet mod to the SMK-1 transceiver and it was published  
> in the Spring 2000 issue of QRP Homebrewer. Mike Boatwright, K04WX recently  
> did the same mod with the addition of an IF amplifier from the Paul Harden,  
> NA5N Data Book. I also added the IF amplifier to my rig.  
>  
> The point of this is that today we made the first known contact between two  
> stations using the superhet mod in the SMK-1. I personally have difficulty  
> using direct conversion receivers (probably due to my ADD)so this conversion  
> has made my SMK-1 a useful, fun rig.  
>  
> Judging from the QRP publications there seem to be no limits to the  
> modifications of this nice kit. It kinda reminds me of all the  
> modifications of the WW2 ARC 5 command rigs back in the 1950's.  
>  
> Mike Branca W3IRZ in Conyers Georgia  
>  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----

Date: Mon, 16 Apr 2001 08:33:45 -0400  
From: Kenneth Hoglund <hoglund@wfu.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96428] OP: World Amateur Radio Day  
Message-ID: <3ADAE6A9.CA7A3EF0@wfu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well, from an earlier post, and several ARRL newsletters, you all are aware that this Weds., April 18th is World Amateur Radio Day. And, I received exactly zero, null, nada, from my earlier query about planned activities.

The reason I asked is our small but valiant amateur radio community here on campus is planning a demo station for the 18th. We're set-up in an ideal locale for students to wander by and see what the fuss is about, and we've got the publicity machinery in place to raise awareness of the station. It looks like we'll also have some coverage from the local media, maybe around noontime EDT.

What I'm concerned about now is qso's. So any of the qrp gang who may be near a rig on the 18th, could you please try and find us? We'll be working 10m, 20m and probably 15m if 20m isn't up to snuff. Plans are for a field-style dipole for 20/15, and a full-wave loop for 10m. We're operating from 13:30-18:00 UTC (9:30am to 2pm EDT), and using the call NA4P, belonging to one of our faculty members who is helping out. Yes, a special qsl card is planned to commemorate this celebration of amateur radio, and as far as we know the first student-initiated effort on campus. Students, faculty, and staff will be in the operating post throughout the day, and we hope to have some guests stopping by from time to time.

While the station will be qro most of the time, I've been making my points about the value of low power, and if conditions are good I may turn the rf down to demonstrate some qrp'ing.

Thanks for the BW.

73,

Ken KG4FGC  
Professor, Wake Forest University

PS. Would be particularly interested in any basketball coaches who are hams--the university is currently looking for one.



-----  
Date: Mon, 16 Apr 2001 06:40:30 -0600  
From: "Conant, Paul" <paul.conant@lmco.com>  
To: "Qrp-L (Post To List) (E-mail)" <qrp-l@lehigh.edu>  
Subject: [96429] [TMPS] Tips on Working 30-m  
Message-ID: <675067CF647BD4118DEA00508BE32AB47EAABE@emss02m09.ems.lmco.com>  
Content-return: allowed  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I finally broke down and ordered a 10.118 MHz crystal from JAN for the VEC-1230K. It should arrive in a couple of weeks. I am looking forward to a little separation from the DX window. Chuck and Steve, I'll be listening for you.

Paul, WQ5X

-----  
Date: Mon, 16 Apr 2001 08:43:37 -0400  
From: "Mike Czuhajewski" <wa8mcq@erols.com>  
To: <qrp-l@lehigh.edu>  
Cc: <wa8mcq@erols.com>, "Craig (QRP Quarterly Editor) Behrens" <Craigwb@hiwaay.net>  
Subject: [96430] Portable tips wanted for July QRP Quarterly  
Message-ID: <002b01c0c672\$dca5d200\$8934fea9@l8a3h1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The July issue of the QRP Quarterly will have the theme of portable operations, and I'd like to include a few things along those lines in my Idea Exchange column. (For those not familiar with it, it's been described as sort of a cross between QST's Hints & Kinks and their Technical Correspondence section.)

If anyone has any favorite tips or techniques related to portable operation they'd like to share with the QRP Quarterly readers, we'd love to have them. I'll use some of the technical ones in my column, and the editor would also like to have some to use as fillers throughout the magazine. (Don't let the word "technical" scare you off; that includes just about anything along the lines of what you'd see in Hints & Kinks.) They don't have to be full blown articles, either; in fact, that's part of the idea of the column, a place

for shorter pieces to be published.

And if you don't have any technical tips on portable operation but do have some interesting ideas related to the operating side, we'd love to have that too. You can send those directly to the editor, Craig Behrens, NM4T, craigwb@hiwaay.net .

While we don't pay for material used in the QRP Quarterly--no QRP journal does--you do get the fame and glory of having your item appear there, along with the warm fuzzy feeling that comes from sharing a good idea with the QRP community :-)

73 and queue our pea DE WA8MCQ

-----  
Date: Mon, 16 Apr 2001 07:12:04 -0600  
From: "Rod Cercone" <n0rc@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "Flying Pigs" <fpqrp-1@mpna.com>  
Subject: [96431] FS Sierra Band Module Kits  
Message-ID: <0E44XLsxpTljB0h8s4K00004487@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

160m, 30m, 17m & 12m. \$30 each shipped CONUS.

OR, all 4 kits shipped to the same address \$110 CONUS

73, Rod N0RC  
Ft Collins CO

-----  
Date: Mon, 16 Apr 2001 07:35:27 -0600  
From: "Rod Cercone" <n0rc@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "Flying Pigs" <fpqrp-1@mpna.com>  
Subject: [96432] Re: FS Sierra Band Module Kits  
Message-ID: <0E42f3s1lNY30kkZIhT0000462d@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

17m kit spoken for. Now:

160m, 30m, & 12m. \$30 each shipped CONUS.

OR, all 3 kits shipped to the same address \$85 CONUS

----- Original Message -----

From: "Rod Cerkoney" <n0rc@hotmail.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, April 16, 2001 07:12 AM

Subject: FS Sierra Band Module Kits

> 160m, 30m, 17m & 12m. \$30 each shipped CONUS.

>

> OR, all 4 kits shipped to the same address \$110 CONUS

-----  
Date: Mon, 16 Apr 2001 08:58:15 -0500

From: "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>

To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>

Subject: [96433] Ques on SW-40+, keyer enclosure project, new keyboard keyer from K1EL.

Message-ID: <F05408425630D4118DEE0000F840B5D485CA39@alrsv02.fssec.army.mil>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Hello Elmers,

Finished building a SW-40+ yesterday morning early and while aligning it I played with an idea that someone else suggested during the Elmer101 project. I built the kit with the L1 toroid set for the 7.0-7.5 section of the band and found that using a 22pf capacitor for C7 I can tune 7.110 - 7.147 and using the 82pf capacitor I can tune 7.020 - 7.060 (all figures are suspect because they are off the top of my head).

I want to have both sections of the band on the rig so I can either use a variable capacitor and use a small frequency counter (SWL Freq Mite?) or a switch to select one capacitor or the other and calibrate the dial in red and black numbers.

Has anyone used a variable capacitor to allow tuning over a greater part of the band with the SW-40+? I'm leaning toward the switch between capacitors but how do I do that?

A week or more ago I saw a web site that showed homebrew construction using

PC board to enclose a K10 keyer. The enclosure was 2.5 x 4 x 1.25 inches and had 4 push buttons on the front of the enclosure. Where is this web site? I can't find it again. It was a beautiful project and I really want it for my K10 keyer.

I saw this weekend on the K1EL website that he has his K20 ? keyer project ready. As far as my memory goes this keyer is for a keyboard or you can use paddle with it. It has 12 memory slots for a total of 2000 characters (!?) for a monster memory keyer. And all for \$25.00 for the kit. I gotta get one of these. I love the K8 and K10 keyers that I got. His keyers are great.

(no connection even though we are both named Steve .... just a very satisfied customer) (no connection to Dave Benson of SWL either ... just love his kits and customer service)

73,  
KC5TTY Steve  
in Elgin, OK

-----  
Date: Mon, 16 Apr 2001 08:01:24 -0600  
From: "Rod Cercone" <n0rc@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "Flying Pigs" <fpqrp-1@mpna.com>  
Subject: [96434] Re: FS Sierra Band Module Kits  
Message-ID: <0E3gyn8QTZB1wbdxoV9000040e5@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

160m, 17m & 12m are now spoken for that leaves:

30m, \$30 shipped CONUS.

73, Rod N0RC  
Ft Collins CO

----- Original Message -----  
From: "Rod Cercone" <n0rc@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Monday, April 16, 2001 07:12 AM  
Subject: FS Sierra Band Module Kits

> 160m, 30m, 17m & 12m. \$30 each shipped CONUS.

>

> OR, all 4 kits shipped to the same address \$110 CONUS

-----  
Date: Mon, 16 Apr 2001 09:10:58 -0500  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: qrp-1@Lehigh.EDU  
Subject: [96435] VADER and ARCI Party  
Message-ID: <3.0.2.32.20010416091058.0080f230@mail.globeco.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Folks,

I was checking my log this morning and the call entry VA7DER, BC, #4059 looked suspicious.

VA7DER is not in the ARCI member list and #4059 belongs to ARCI member VE6BIR.

Anyone else log this call? Maybe I got it wrong...Naaahhh... 8^)...

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275  
Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>  
[TMPS] Qs/124, States/40, DX /26, 3W to HF9V, Marsh Key, Codeboy Keyer

-----  
Date: Mon, 16 Apr 2001 10:13:49 -0400  
From: "Charles Mabbott" <crmabbott@mediaone.net>  
To: <k7fd@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96436] RE: Extremely Rare QRP QSO  
Message-ID: <GAECLOGOMILPLBGKKPEGCEJBCGAA.crmabbott@mediaone.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I bet this happens a lot, but for some reason no one wants braggin' rights! SG 2020 here!

=====  
Chuck Mabbott

AA8VS

42 19' 52" N 83 28' 32" W

Grid Square EN82gh  
Home Page: <http://aa8vs.dhs.org/aa8vs>

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of N7SG K7FD  
Sent: Sunday, April 15, 2001 11:17 PM  
To: Low Power Amateur Radio Discussion  
Subject: Extremely Rare QRP QSO

Believe it or not, I had a qrp qso today where NEITHER op was using a K2 or K1!!! Dan N TK was on his DSW40 and I on my NC40a...unbelievable! ;)

73 John K7FD, NC40a/K1/K2/SST20...all rigs from 'Wayne's World'...

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com>

-----  
Date: Mon, 16 Apr 2001 10:43:24 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96437] K2 and PSK31..  
Message-ID: <014701c0c683\$9a807860\$6b01a8c0@INSYDENT>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I was thinking of trying out PSK31, and found a lot of neat info on the Elecraft page. Specifically a document describing how Paul, EA3BLQ, built a digital interface board for his K2.

It doesn't appear that difficult, but I wonder...

Has anyone else done what Paul has done? If the board itself is available blank, I'd probably buy that, but if I have to fabricate it for myself, I may make a few changes. Like capacitively couple the mic in line. And put on an opto-isolator for PTT.

And... since Paul used the 'Kenwood' as the 'model' for wiring up his interface jack, I want to go see if I can find out what those other two pins are for. I was thinking that if I don't put an opto-isolator on the board, I'd put one external, and maybe something else, not sure.

Mike

-----  
Date: Mon, 16 Apr 2001 10:48:05 -0400 (EDT)  
From: mulveyr@iname.com  
To: brockwse@fssec.army.mil  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96438] Re: Ques on SW-40+, keyer enclosure project, new keyboard keyer from

K1EL.

Message-ID: <200104161448.KAA01391@mulvey.dyndns.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

> I saw this weekend on the K1EL website that he has his K20 ? keyer project  
> ready. As far as my memory goes this keyer is for a keyboard or you can use  
> paddle with it. It has 12 memory slots for a total of 2000 characters (!?)  
> for a monster memory keyer. And all for \$25.00 for the kit. I gotta get  
> one of these. I love the K8 and K10 keyers that I got. His keyers are  
> great.

I built the K20 - it's a nice little kit, and useful. I'm thinking of mounting it in my K2, in one of the unused holes. :-)

- Rich

-----  
Date: Mon, 16 Apr 2001 07:51:57 -0700  
From: Phil Wheeler <w7ox@earthlink.net>  
To: myetsko@insydesw.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96439] Re: K2 and PSK31..  
Message-ID: <3ADB070D.915B9425@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Mike Yetsko wrote:

>

> I was thinking of trying out PSK31, and found a lot of neat info on  
> the Elecraft page. Specifically a document describing how Paul,  
> EA3BLQ, built a digital interface board for his K2.  
>  
> It doesn't appear that difficult, but I wonder...  
>  
> Has anyone else done what Paul has done? If the board itself is  
> available blank, I'd probably buy that, but if I have to fabricate it  
> for myself, I may make a few changes. Like capacitively couple  
> the mic in line. And put on an opto-isolator for PTT.  
>

Mike,

I ended up buying a RigBlaster when I got into PSK31 .. and, having  
wired the K2 like a Kenwood, I can use it with either radio.

There are a number of interfaces available, now .. for sale  
off-the-shelf or as designs you can build. One way to find them is do  
use Google and search on 'PSK31 interface'

If you are doing PSK31 with a K2, there is a very desirable mod which  
will reduce the IMD on PSK31 without affecting SSB voice operations. It  
is documented at the Elecraft web site

Phil W7OX

-----

Date: Mon, 16 Apr 2001 10:02:01 -0500  
From: w.marty.ray@delphiauto.com  
To: mulveyr@iname.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96440] Re: Ques on SW-40+, keyer enclosure project, new keyboard keyer  
from K1EL.  
Message-ID: <05256A30.0052A414.00@uskokg99.delcoelect.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

Have you measured the current drain of the keyer? I want to use it with my  
FT-817, using one power source...

Alternatively, How long does the 9V battery last?

Thanks!



Marty Ray, N9SE  
Sharpsville, IN

mulveyr@iname.com on 04/16/2001 10:48:05 AM

Please respond to mulveyr@iname.com

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
cc: (bcc: W Marty Ray/DELC0)

Subject: Re: Ques on SW-40+, keyer enclosure project, new keyboard keyer from K1EL.

> I saw this weekend on the K1EL website that he has his K20 ? keyer project  
> ready. As far as my memory goes this keyer is for a keyboard or you can use  
> paddle with it. It has 12 memory slots for a total of 2000 characters (!?)  
> for a monster memory keyer. And all for \$25.00 for the kit. I gotta get  
> one of these. I love the K8 and K10 keyers that I got. His keyers are  
> great.

I built the K20 - it's a nice little kit, and useful. I'm thinking of  
mounting it in my K2, in one of the unused holes. :-)

- Rich

Received: from ahmlir3.mail.eds.com ([205.191.24.43]) by uskokg98.delcoelect.com  
(Lotus SMTP MTA v4.6.7 (934.1 12-30-1999)) with SMTP id 05256A30.00523A68; Mon,  
16 Apr 2001 09:58:09 -0500

Received: from ahmlir3.mail.eds.com (localhost [127.0.0.1])  
by ahmlir3.mail.eds.com (8.11.3/8.11.3) with ESMTP id f3GEwBA00253;  
Mon, 16 Apr 2001 10:58:11 -0400 (EDT)

Received: from plmler2.mail.eds.com (plmler2.mail.eds.com [199.228.142.72])  
by ahmlir3.mail.eds.com (8.11.3/8.11.0) with ESMTP id f3GEoAp18646;  
Mon, 16 Apr 2001 10:50:10 -0400 (EDT)

Received: from astro.CC.Lehigh.EDU (astro.CC.Lehigh.EDU [128.180.39.2])  
by plmler2.mail.eds.com (8.11.1/8.11.1) with ESMTP id f3GEo9003403;  
Mon, 16 Apr 2001 10:50:09 -0400

Received: from localhost ([127.0.0.1]:52999 "HELO astro.CC.Lehigh.EDU") by

astro.CC.Lehigh.EDU with SMTP id <77129-7617>; Mon, 16 Apr 2001 10:49:22 -0400  
 Received: from nss4.CC.Lehigh.EDU ([128.180.39.1]:473 "EHLO nss4.cc.lehigh.edu")  
 by astro.CC.Lehigh.EDU with ESMTTP id <75868-7619>; Mon, 16 Apr 2001 10:48:49  
 -0400  
 Received: from mulvey.dyndns.com (roc-24-24-60-103.rochester.rr.com  
 [24.24.60.103])  
 by nss4.cc.lehigh.edu (8.11.2/8.11.1) with ESMTTP id f3GEmlr380154  
 for <qrp-l@Lehigh.EDU>; Mon, 16 Apr 2001 10:48:47 -0400  
 Received: (from mulveyr@localhost)  
 by mulvey.dyndns.com (8.9.3/8.9.3) id KAA01391;  
 Mon, 16 Apr 2001 10:48:05 -0400  
 Message-Id: <200104161448.KAA01391@mulvey.dyndns.com>  
 Date: Mon, 16 Apr 2001 10:48:05 -0400 (EDT)  
 Reply-To: mulveyr@iname.com  
 Sender: owner-qrp-l@Lehigh.EDU  
 Precedence: bulk  
 From: mulveyr@iname.com  
 To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
 Subject: Re: Ques on SW-40+, keyer enclosure project, new keyboard keyer from  
 K1EL.  
 In-Reply-To: <F05408425630D4118DEE0000F840B5D485CA39@alrsv02.fssec.army.mil>  
 from "Brockwell, Stephen E. CECOM SEC FSSE ILEX" at "Apr 16, 2001 08:58:15 am"  
 MIME-Version: 1.0  
 Content-Type: text/plain; charset=US-ASCII  
 Content-Transfer-Encoding: 7bit  
 X-To: brockwse@fssec.army.mil  
 X-Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
 X-Mailer: ELM [version 2.4ME+ PL66 (25)]  
 X-Orcpt: rfc822;qrp-l@listserv.cc.lehigh.edu  
 X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN

```
|----->
|USK0KG98/us/delphiauto|
|USK0KH99/us/delphiauto|
|USK0KHM1/DELCO        |
|USK0KM10/DELCO        |
|----->
>-----|
|04/16/2001 10:58:16 AM - 04/16/2001|
|10:58:17 AM                      |
|04/16/2001 10:58:21 AM - 04/16/2001|
|10:58:26 AM                      |
|04/16/2001 10:58:22 AM - 04/16/2001|
|10:58:23 AM                      |
|04/16/2001 10:58:24 AM - 04/16/2001|
|10:58:24 AM                      |
>-----|
```

-----  
Date: Mon, 16 Apr 2001 10:04:59 -0500  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: qrp-l@Lehigh.EDU  
Subject: [96441] Ureka! -- VADER and ARCI Party  
Message-ID: <3.0.2.32.20010416100459.007fc9e0@mail.globeco.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The mystery is resolved...

>I was checking my log this morning and the call entry VA7DER, BC, #4059  
>looked suspicious.

Pat Byers, VE6AAN, provided the following:

-----  
According to the VE/VA database at <http://www.rac.ca> \*\*\*both\*\*\*  
VA7DER and VE6BIR are issued to

Name: David Evans Reid  
Address: 5645 LOWER ELK VALLEY ROAD SPARWOOD, BC V0B 2G3

-----  
Thanks, Pat, for providing the info

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275  
Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>  
[TMPS] Qs/124, States/40, DX /26, 3W to HF9V, Marsh Key, Codeboy Keyer

-----  
Date: Mon, 16 Apr 2001 11:11:46 -0400 (EDT)

From: mulveyr@iname.com  
To: w.marty.ray@delphiauto.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96442] Re: Ques on SW-40+, keyer enclosure project, new keyboard keyer from K1EL.  
Message-ID: <200104161511.LAA01498@mulvey.dyndns.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

>  
> Have you measured the current drain of the keyer? I want to use it with my  
> FT-817, using one power source...  
>  
> Alternatively, How long does the 9V battery last?

Actually, I haven't measured it. I suspect that the biggest power hog would be the keyboard, in any case. I currently use it running off my my station supply, so battery power hasn't been an issue. :-)

- Rich

>  
>  
> mulveyr@iname.com on 04/16/2001 10:48:05 AM  
>  
> Please respond to mulveyr@iname.com  
>  
>  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> cc: (bcc: W Marty Ray/DELC0)  
>  
> Subject: Re: Ques on SW-40+, keyer enclosure project, new keyboard keyer from K1EL.  
>  
>  
>  
>  
> > I saw this weekend on the K1EL website that he has his K20 ? keyer project  
> > ready. As far as my memory goes this keyer is for a keyboard or you can use  
> > paddle with it. It has 12 memory slots for a total of 2000 characters (!?)  
> > for a monster memory keyer. And all for \$25.00 for the kit. I gotta get  
> > one of these. I love the K8 and K10 keyers that I got. His keyers are  
> > great.  
>  
> I built the K20 - it's a nice little kit, and useful. I'm thinking of  
> mounting it in my K2, in one of the unused holes. :-)

>  
> - Rich  
>  
>  
>  
>  
>  
>  
> Received: from ahmlir3.mail.eds.com ([205.191.24.43]) by uskokg98.delcoelect.com  
> (Lotus SMTP MTA v4.6.7 (934.1 12-30-1999)) with SMTP id 05256A30.00523A68; Mon,  
> 16 Apr 2001 09:58:09 -0500  
> Received: from ahmlir3.mail.eds.com (localhost [127.0.0.1])  
> by ahmlir3.mail.eds.com (8.11.3/8.11.3) with ESMTTP id f3GEwBA00253;  
> Mon, 16 Apr 2001 10:58:11 -0400 (EDT)  
> Received: from plmler2.mail.eds.com (plmler2.mail.eds.com [199.228.142.72])  
> by ahmlir3.mail.eds.com (8.11.3/8.11.0) with ESMTTP id f3GEoAp18646;  
> Mon, 16 Apr 2001 10:50:10 -0400 (EDT)  
> Received: from astro.CC.Lehigh.EDU (astro.CC.Lehigh.EDU [128.180.39.2])  
> by plmler2.mail.eds.com (8.11.1/8.11.1) with ESMTTP id f3GEo9003403;  
> Mon, 16 Apr 2001 10:50:09 -0400  
> Received: from localhost ([127.0.0.1]:52999 "HELO astro.CC.Lehigh.EDU") by  
> astro.CC.Lehigh.EDU with SMTP id <77129-7617>; Mon, 16 Apr 2001 10:49:22 -0400  
> Received: from nss4.CC.Lehigh.EDU ([128.180.39.1]:473 "EHLO nss4.cc.lehigh.edu")  
> by astro.CC.Lehigh.EDU with ESMTTP id <75868-7619>; Mon, 16 Apr 2001 10:48:49  
> -0400  
> Received: from mulvey.dyndns.com (roc-24-24-60-103.rochester.rr.com  
> [24.24.60.103])  
> by nss4.cc.lehigh.edu (8.11.2/8.11.1) with ESMTTP id f3GEmlr380154  
> for <qrp-l@Lehigh.EDU>; Mon, 16 Apr 2001 10:48:47 -0400  
> Received: (from mulveyr@localhost)  
> by mulvey.dyndns.com (8.9.3/8.9.3) id KAA01391;  
> Mon, 16 Apr 2001 10:48:05 -0400  
> Message-Id: <200104161448.KAA01391@mulvey.dyndns.com>  
> Date: Mon, 16 Apr 2001 10:48:05 -0400 (EDT)  
> Reply-To: mulveyr@iname.com  
> Sender: owner-qrp-l@Lehigh.EDU  
> Precedence: bulk  
> From: mulveyr@iname.com  
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Subject: Re: Ques on SW-40+, keyer enclosure project, new keyboard keyer from  
> K1EL.  
> In-Reply-To: <F05408425630D4118DEE0000F840B5D485CA39@alrsvr02.fssec.army.mil>  
> from "Brockwell, Stephen E. CECOM SEC FSSE ILEX" at "Apr 16, 2001 08:58:15 am"  
> MIME-Version: 1.0  
> Content-Type: text/plain; charset=US-ASCII  
> Content-Transfer-Encoding: 7bit  
> X-To: brockwse@fssec.army.mil  
> X-Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> X-Mailer: ELM [version 2.4ME+ PL66 (25)]

```

> X-Origpt: rfc822;qrp-l@listserv.cc.lehigh.edu
> X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
>
>
> |----->
> |USK0KG98/us/delphiauto      |
> |USK0KH99/us/delphiauto      |
> |USK0KHM1/DELCO              |
> |USK0KM10/DELCO              |
> |----->
> >-----|
> |04/16/2001 10:58:16 AM - 04/16/2001 |
> |10:58:17 AM                      |
> |04/16/2001 10:58:21 AM - 04/16/2001 |
> |10:58:26 AM                      |
> |04/16/2001 10:58:22 AM - 04/16/2001 |
> |10:58:23 AM                      |
> |04/16/2001 10:58:24 AM - 04/16/2001 |
> |10:58:24 AM                      |
> >-----|
>
>
>
>
>
>
>
>
>
>

```

```

-----
Date: Mon, 16 Apr 2001 08:16:33 -0600
From: "Bob Follett" <bfollett@msn.com>
To: "QRP-L Group" <qrp-l@lehigh.edu>
Subject: [96443] RE: VLF/Natural Radio Receivers
Message-ID: <014d01c0c67f$e00a6de0$82440e3f@MSNbfollett>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

```

Gang:

The most common, fully described design for a Whistler radio is:

<http://www.triax.com/vlfradio/bbb4b.htm>

However, if you wish to go further, look at the article on the Longwave site entitled "Some thoughts on E-field whistler receiver design". The author addresses the design deficiencies of current radios, and bases his thoughts on the radio, above, the BBB-4. His thoughts also may be interesting to anyone designing/using an active antenna with a short probe for SWL.

<http://www.lwca.org/>

73, Bob

-----  
Bob Follett AB7ST  
3133 American Saddler Dr.  
Park City, UT 84060

-----  
Date: Mon, 16 Apr 2001 11:30:02 -0400  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96444] For Sale: Poqet PC  
Message-ID: <3ADB0FFA.189E62F4@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

1 Poqet PC with original box, manual, copy of Users Manual plus:

Two 1 meg memory cards  
Leather Case  
2400 baud modem  
Serial Port Adaptor  
Poqet PC Software

Paul K4FB

-----  
Date: Mon, 16 Apr 2001 10:51:23 -0500  
From: "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [96445] FS or FT : Intelligent Transceiver boards and book  
Message-ID: <F05408425630D4118DEE0000F840B5D485CA3D@alrsv02.fssec.army.mil>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

For sale or trade --- a package of the "Build your own Intelligent Amateur Radio Transceiver " PC boards (10 or more boards ... my memory is faulty) with the Eprom chip and the book of the same name by Randy Henderson. The boards and Eprom chip cost \$100 on the Far Circuits web site. The book is about \$25 alone. Looking for Centennial ssb kit (prefer 20 meters) or Small Wonder White Mountain (prefer 20 meters) or another small 20 meter mobile or kit radio (ssb) or an HTX-100 (10 meter Radio Shack transceiver). I got the package in a trade and just won't be building the radio.

Steve Brockwell KC5TTY  
brockwse@fssec.army.mil

-----  
Date: Mon, 16 Apr 2001 11:30:24 -0500 (CDT)  
From: christian void <cvoid@morphine.com>  
To: "Dan W. Dooley" <dandooley@pipeline.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [96446] Re: RF into networks  
Message-ID: <Pine.LNX.4.20.0104161126160.6185-100000@donut.morphine.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 7 Apr 2001, Dan W. Dooley wrote:

> Anyone had any experience keeping RF out of networks?

[snip]

dealt with this a few months ago. make sure your patch panels are grounded, and that the run of utp is as short as possible. make sure any hub or switch is grounded as well. this cleared up the problem for us, which was caused by a 200w vhf station located on the lot next to the building with the problematic network.

as always, your mileage may vary.

--  
christian void <cvoid@morphine.com>  
<http://www.morphine.com/void/>  
gpg key available upon request

libertad a todos los presos politicos!  
democracia! libertad! justicia!



-----  
Date: Mon, 16 Apr 2001 12:57:04 -0400  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96447] Poqet Sold  
Message-ID: <3ADB2460.47E16BAC@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The Poqet PC is spoken for.

Thanks  
Paul K4FB

-----  
Date: Mon, 16 Apr 2001 10:09:11 -0700  
From: "Phinizy, William" <wphinizy@filenet.com>  
To: "QRP-1 Forum (E-mail)" <qrp-1@Lehigh.EDU>  
Subject: [96448] Re: September ARRL SW Convention QRP Forum  
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B76E15@hq-expo2.filenet.com>

An apology to those who have had trouble. It seems that we are having difficulty with the September ARRL SW Convention website -- you haven't been able to download the registration form.

If so, please send me an e-mail and include the following information:

~~~~~  
Badge and Confirmation Information (Please print legibly)

NAME and CALL  
ADDRESS  
CITY, STATE ZIP  
E-MAIL  
INTERESTS/CLUB

~~~~~  
Below are the various events you can sign up for. Please indicate what you will be registering for:

| ITEM                                 | QUANTITY      | COST AMOUNT |
|--------------------------------------|---------------|-------------|
| Early Registration (before May 2001) | _____@\$10.00 | \$_____     |
| Saturday Lunch                       | _____@\$17.00 | \$_____     |
| Saturday Banquet                     | _____@\$33.00 | \$_____     |
| Sunday DX Breakfast                  | _____@\$17.50 | \$_____     |

Total \$\_\_\_\_\_

I'll forward a registration form in .pdf format and see that you get registered (so you are eligible for the pin and FT-817).

Thanks for your patience..

W. H. Phinizy, K6WHP  
Principal Engineer  
FileNET Corporation

-----  
Date: Mon, 16 Apr 2001 11:21:00 -0600  
From: "Michael T. Haynie, KC0EXP" <kc0exp@caddistech.com>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [96449] 817 vs. K2  
Message-ID: <LPELINGNAPFNJMEMINEIKEBDCDAA.kc0exp@caddistech.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Forgive me for potentially opening up a big can of worms here, but I see lots of postings regarding the 817 and K2, but never a comparison of the two. Is it perhaps because I'm trying to compare apples and oranges here? I haven't been at this QRP thing too long, so don't hold it against me :-).

My biggest wonder is the cost. For the money, the 817 seems to be the most cost effective of the two considering the AM, SSB, FM, UHF, VHF, etc that it can handle. However, the K2 does have SSB as an option. To me the K2 seems a bit expensive, considering you have to assemble it (which most see as a value) but I'm looking at it from a cost only perspective. Don't get me wrong, I like homebrew, but the K2 seems a bit overpriced. Am I really missing the boat here? What does the K2 do that is so much more appealing than the 817?

Again, I'm new at the QRP thing, so if I missed some vital info, just let me know. However, I am curious as to the general opinions out there.

73 de KC0EXP  
Michael T. Haynie

-----  
Date: Mon, 16 Apr 2001 12:44:02 -0500

From: "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [96450] Re: Intelligent transceiver boards - spoken for  
Message-ID: <F05408425630D4118DEE0000F840B5D485CA3F@alrsrcv02.fssec.army.mil>  
MIME-Version: 1.0  
Content-Type: text/plain

Looks like the Intelligent Transceiver boards are spoken for. Thank you.

Steve KC5TTY

-----  
Date: Mon, 16 Apr 2001 13:51:53 -0400 (EDT)  
From: mulveyr@iname.com  
To: kc0exp@caddistech.com  
Cc: qrp-1@lehigh.edu  
Subject: [96451] Re: 817 vs. K2  
Message-ID: <200104161751.NAA01979@mulvey.dyndns.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

[Charset iso-8859-1 unsupported, filtering to ASCII...]

> Forgive me for potentially opening up a big can of worms here, but I see  
> lots of postings regarding the 817 and K2, but never a comparison of the  
> two. Is it perhaps because I'm trying to compare apples and oranges here? I  
> haven't been at this QRP thing too long, so don't hold it against me :-).

From a purely technical perspective ( IMD, etc. ) the ARRL has performed reviews of both the K2 and the 817. If you look at the numbers, the K2 edges out the 817 in terms of receiver performance, etc.

>  
> My biggest wonder is the cost. For the money, the 817 seems to be the most  
> cost effective of the two considering the AM, SSB, FM, UHF, VHF, etc that it  
> can handle. However, the K2 does have SSB as an option. To me the K2 seems a  
> bit expensive, considering you have to assemble it (which most see as a  
> value) but I'm looking at it from a cost only perspective. Don't get me  
> wrong, I like homebrew, but the K2 seems a bit overpriced. Am I really  
> missing the boat here? What does the K2 do that is so much more appealing  
> than the 817?  
>

I don't have an 817, but I do have a K2, so take my opinion with a grain of salt. :-) You don't seem very interested in the kit-building aspect, so I'll leave that out.

The K2 is actually right on the mark in terms of price/performance, when you compare it to other rigs. Again, consult the ARRL reviews for comparison.

To make the 817 truly usable for CW, you *\*need\** the mechanical filter. So you're going to be shelling out another \$150.00 on top of the basic unit cost. And then you'll have to add in the cost of a tuner, rechargable battery, memory keyer, etc, which starts making the two rigs come pretty close together in price.

The ergonomics of the K2 makes it easier to deal with than the 817 - the buttons are larger, and you don't have to walk through a tree of menus to change operating parameters. Not to mention that some of the status information on the 817 display is *\*small\**, and hard to read, even for my 33-year-old eyes.

The K2 works better as a portable rig in the sense that it's truly an all-in-one rig - tuner, battery, etc in one convenient package. The 817 doesn't have an integrated tuner, and the lifespan of the battery isn't really suitable for more than a little while in the field.

The K2 has the advantage of being very, very well supported by Elecraft. 2 weeks ago, for example, the company was soliciting input from users for how to handle new firmware features intended to support hard-core contesters. There were extended discussions on the best way of implementing them. That doesn't happen with YaeComWood rigs. :-)

The 817 is also missing some of the options that Elecraft has in the pipeline, like integrated 100W amp, computer control, transverters, yada yada yada. Once you get the 817, you're stuck with what you bought.

Now, I don't want to make this completely one-sided. :-) The 817 does seem to be an ideal briefcase rig - very handy if you travel a lot, and want both HF and up capabilities. The K2 isn't going to give you that ( at least until the xverter interface comes along. :-) )

- Rich

> Again, I'm new at the QRP thing, so if I missed some vital info, just let me  
> know. However, I am curious as to the general opinions out there.

>  
> 73 de KC0EXP  
> Michael T. Haynie  
>

-----  
Date: Mon, 16 Apr 2001 11:55:38 -0600  
From: William R Colbert <w5xe@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [96452] QQ  
Message-ID: <20010416.115816.-281095.0.w5xe@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Anyone else in the desert southwest of Far West Texas  
or southern New Mexico received a pony express  
delivery of the Quarterly yet? No major storms,  
no train wrecks or plane crashes so just wondering.  
Maybe tomorrow.

"The more I see of the representatives of the people,  
the more I admire my dogs." letter from Count d'Orsay  
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2  
FP# 111, SOC#78, QRP-ARCI 5784, El Paso, (FAR WEST) TEXAS

-----  
GET INTERNET ACCESS FROM JUNO!  
Juno offers FREE or PREMIUM Internet access for less!  
Join Juno today! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 16 Apr 2001 14:03:25 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <kc0exp@caddistech.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96453] Re: 817 vs. K2  
Message-ID: <001a01c0c69f\$9243f200\$6b01a8c0@INSYDENT>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Mike,

Well, as a K2 owner, I find it hard to understand why anyone would want something OTHER than the K2. But then, I have a vested interest.

I personally want both rigs. But I see them as 'different'. Sure, a lot of overlap, and the VHF of the 817 is a plus, but the K2 just works so darn well....

To me, the difference comes down to use. If you're going to use the rig where you 'set up', then the K2 seems to be the rig to buy. But the 817 seems to be more geared towards the hiker/operator. Especially since it covers VHF.

As to performace, the 817 appears to be nothing to sneeze at, but I would be very surprised if it was as good as a 'tweaked K2'. And there is a BIG part of the equation. Can you ever get into an 817 and do things? Sure, it's a neat radio, but I just today started a 'home-made' board for my K2. Try that with the 817!

So, first off, decide WHY you want EITHER radio. Why you want any radio in general, and then see if either one fits your needs. If you want the fun of building, it's gotta be the K2. If you want to hack, it's gotta be the K2. If you want a self contained hiker radio, it's towards the 817. If you're going to backpack in and 'set up', then either will do, but I would lean towards the K2. If you want/need VHF, then it's gotta be the 817.

And then consider how one radio does what the other one does. VHF, well, the K2 doesn't, but you can always carry an HT. Can you take in the 817 to 'set up' on a hike in camp? You bet, although I think the K2 would be better, the 817 is not far behind. In fact, the 817 fills in on the K2s turf in this regard more easily than the K2 would fill in on the 817's turf for a 'hiker' radio. In fact, the 817 as a slung over the shoulder hiker radio is hard to beat. And that's probably why I would want one.

One thing though, SSB on VHF is a BIG plus if you're interested in that! All mode VHF? Right there the 817 is a winner, and I admit I covet it greatly. But while I want one, I want it as a SECOND rig to my K2, never as a 'replacement'. The K2 just works so well.....

In my case I have a K2 with NB, SSB, and ATU. With that, I can just

set it on a camp table, throw almost any wire into the trees and the ATU brings it in to match and I'm on the air in minutes. I don't know if the 817 has an ATU. I could always carry my little MFJ-901 tuner... But then, that sorta defeats the 'single box' purpose of the 817, right?

Mike

-----  
Date: Mon, 16 Apr 2001 11:42:08 -0600  
From: "T.W." <wb5qyt@abq.com>  
To: <qrp-1@lehigh.edu>  
Subject: [96454] FS: Ten Tec's (lower prices)  
Message-ID: <MABBIKAEJKMHLIDDGMCKAEDKCHAA.wb5qyt@abq.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

Not much action on the rigs with first posting, so I lowered the prices. If no takers at these prices will take rigs to the local hamfest in 2 weeks....

The 505 might be spoken for at this time.

1. TT Century 21...80-10m cw rig, hot rec, fast qsk, 30 watts out....was 125 bux now 100 bux.

2. TT 544 ...80-10m cw/ssb xcvr, will qrp, fast qsk, good cw filters....was 200..now 175 bux.

Both rigs have a few problems, as listed in original post. If interested please email for details or feel free to call me at 1-505-237-2005...

You pay shipping on above units....72, Tom WB5QYT..."Have spud will travel!"

-----

Date: Mon, 16 Apr 2001 11:48:44 -0700  
From: Phil Wheeler <w7ox@earthlink.net>  
To: kc0exp@caddistech.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96455] Re: 817 vs. K2  
Message-ID: <3ADB3E8C.24BB0AE4@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

"Michael T. Haynie, KC0EXP" wrote:

>  
> Forgive me for potentially opening up a big can of worms here, but I see  
> lots of postings regarding the 817 and K2, but never a comparison of the  
> two. Is it perhaps because I'm trying to compare apples and oranges here? I  
> haven't been at this QRP thing too long, so don't hold it against me :-).  
>  
> My biggest wonder is the cost. For the money, the 817 seems to be the most  
> cost effective of the two considering the AM, SSB, FM, UHF, VHF, etc that it  
> can handle. However, the K2 does have SSB as an option. To me the K2 seems a  
> bit expensive, considering you have to assemble it (which most see as a  
> value) but I'm looking at it from a cost only perspective. Don't get me  
> wrong, I like homebrew, but the K2 seems a bit overpriced. Am I really  
> missing the boat here? What does the K2 do that is so much more appealing  
> than the 817?  
>

The 817 has some real plusses, like VHF/UHF coverage. The K2 has other plusses, such as:

- o Superior ham band HF receiver (few commercial rigs are as good)
- o Much lower power drain on RX and TX
- o Multiple (and programable) xtal filters for SSB and CW
- o You can build it and expand it yourself

But it is really an "apples and oranges" comparison, and depends on what you want in a rig.

Phil W7OX

-----

Date: Mon, 16 Apr 2001 12:50:43 -0600



From: "Rod Cerkoney" <n0rc@hotmail.com>  
To: kc0exp@caddistech.com, qrp-1@Lehigh.EDU  
Subject: [96456] Re: 817 vs. K2  
Message-ID: <F1205DYskiTHiGc8ou40000548e@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Michael,

The other posters summarized quite well the difference you asked for. But un-said is the "value" included with the K2 in the form of test equipment: a pretty good voltmeter and frequency meter. And, the intellectual property offered in the assembly instructions, trouble shooting guides and the Elecraft email reflector. Yes dollar for dollar it seems that the K2 is expensive, but considering ALL that you get for your money the K2 is an excellent value.

Your learning your first QRP lesson, the rigs out there are specialized for different purposes. You have to select what's important to you and make your selection, knowing it is optimal, not perfect. e.g. mono/multiband, full five watts/sub five watts (battery savings), internal keyers, frequency readouts...etc.

The only "do it all" rigs I know of are 100 XCVRs from YeaComWood--but the are very hard on batteries! ;-)

73, Rod N0RC

>From: "Michael T. Haynie, KC0EXP" <kc0exp@caddistech.com>  
>Reply-To: kc0exp@caddistech.com  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: 817 vs. K2  
>Date: Mon, 16 Apr 2001 11:21:00 -0600  
>...

>My biggest wonder is the cost. For the money, the 817 seems to be the most  
>cost effective of the two considering the AM, SSB, FM, UHF, VHF, etc that  
>it  
>can handle. However, the K2 does have SSB as an option. To me the K2 seems  
>a  
>bit expensive, considering you have to assemble it (which most see as a  
>value) but I'm looking at it from a cost only perspective.

---

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-----  
Date: Mon, 16 Apr 2001 12:55:39 -0600  
From: "Rod Cercone" <n0rc@hotmail.com>  
To: qrp-1@Lehigh.EDU  
Subject: [96457] Re: FS Sierra Band Module Kits  
Message-ID: <F103trSBYh133tYwlib0000523d@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

All band module kits are spoken for. Thanks everybody.

73, Rod N0RC  
Fort Collins, CO

>From: "Rod Cercone" <n0rc@hotmail.com>  
>Reply-To: n0rc@hotmail.com  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: FS Sierra Band Module Kits  
>Date: Mon, 16 Apr 2001 07:12:04 -0600  
>  
>160m, 30m, 17m & 12m. \$30 each shipped CONUS.  
>  
>OR, all 4 kits shipped to the same address \$110 CONUS

-----  
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-----  
Date: Mon, 16 Apr 2001 14:58:40 -0400  
From: John Wagner <john@neknetwork.com>  
To: kc0exp@caddistech.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96458] Re: 817 vs. K2  
Message-ID: <3ADB40E0.53A5BD73@neknetwork.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Most people will say the K-2 has a better receiver than the FT-817 - I don't have a K-2, so I can't comment. I've seen someone post that the numbers from the ARRL review of both radios indicate the K-2 has a better receiver.

I can tell you the FT-817 has a usable receiver. If I can hear someone on it, I can work 'em. I haven't called CQ on the radio and had someone come back that I couldn't work either.

If you get an FT-817 and plan to use it for CW, you absolutely must get the 500hz CW filter. I haven't used mine for SSB, but I'm told by others who have used them for SSB that it works. I did use mine on FM to work a local repeater and was told the audio was very good.

And therein lies difference between the two radios (and the charm of the FT-817) - the FT-817 can be used from 160m to 440Mhz - it can be used for all modes, AM, FM, Packet, CW, etc... it is very, very small. The knobs and buttons can be a pain to operate - you get used to it. The menu system is straightforward and the radio is very full featured.

The FT-817 is however a battery hog. It draws a good 400ma just sitting there on receive and about 1.8amp while transmitting (CW). If you planned on taking it backpacking you would definitely need some way of recharging your ample battery supply during the day.

The FT-817 has a decent keyer, but it doesn't have a memory keyer - I find that incredibly annoying. It also doesn't have an option for an internal antenna tuner (I find that almost as annoying, but not quite as much). IMO a memory keyer wouldn't have been that hard to add to this radio.

I use mine in my car and in my house. I plan to use it in the field as well.

I do think you're missing the mark about the K-2 being overpriced - I think it's priced pretty well. If you're concerned about building the radio, there are people who will do it for you. Some folks have been known to do it for nothing. For me part of the allure of the K-2 is actually building it, but I can understand that some folks wouldn't want to.

If you're looking for a do-it-all radio though, the K-2 isn't your rig. I like my FT-817, but wouldn't rule out owning a K-2 at some point in the future.

73,

John, KB1ENS

"Michael T. Haynie, KC0EXP" wrote:

>

> Forgive me for potentially opening up a big can of worms here, but I see  
> lots of postings regarding the 817 and K2, but never a comparison of the

> two. Is it perhaps because I'm trying to compare apples and oranges here? I  
> haven't been at this QRP thing too long, so don't hold it against me :-).  
>

...

>

> 73 de KC0EXP

> Michael T. Haynie

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

-----

Date: Mon, 16 Apr 2001 19:41:09 -0000

From: "Delbert Long" <ad6we@hotmail.com>

To: qrp-1@Lehigh.EDU

Subject: [96459] SMK-1

Message-ID: <F219VAp0sX5FUPPCFqP00007921@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Just finished putting my SMK-1 together last night. Couldn't wait to plug in 12 volts and it actually worked the first time! Had the XYL listen and she said "Wow, where's that coming from?" CW was a little too fast for me to copy easily, so I couldn't tell.

Haven't received the case from NJQRP yet...are there any left...if not I guess my ten bucks will come back.

Regarding antennas - I am thinking of making a folded dipole with plain speaker wire - will that work if I feed it with the same wire and then use a 4:1 balun?

Thanks for all the help!

Del, AD6WE

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Date: Mon, 16 Apr 2001 13:39:10 -0500 (CDT)

From: Joe Reed <joe@n9jr.dyndns.org>

To: qrp-1@lehigh.edu

Subject: [96460] 817 vs K2

Message-ID: <Pine.LNX.4.21.0104161318260.15645-100000@n9jr.dyndns.org>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I fail to understand why we are looking at two very fine radios this way. And I want to congratulate the many who have responded with well reasoned arguments, and not the typical "mine is bigger than yours". Very refreshing indeed.

As a very happy K2 owner, I expect I will demand they bury it with me great receiver, sweet keying, and the promise of new options it is my dream QRP HF radio. And I can fix it if it breaks, just like the old Heathkits!

But as soon as I can reason/scam the XYL I will be the proud owner of a 817 too. Not necessarily as my primary QRP HF rig for operating, but for HF SWL on the BC bands, and I salivate at the thought of 50 and 144MHz cw/ssb in the field. If only it had 222 and 1296 MHz. Then there would be already one in the shack and I would be dreaming up an excuse as to why I had to have it when the wife opened the credit card bill.

Apples and oranges, and each could very easily compliment the other on any trip.

We should count our blessings that the market has made such exciting offerings available to us. These are great times indeed.

Joe N9JR  
n9jr@arrl.net

-----  
Date: Mon, 16 Apr 2001 20:03:35 -0000  
From: "Delbert Long" <ad6we@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [96461] Good to be back  
Message-ID: <F1364xDh9vXsFFsAitV0000c5e7@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I am back in Ham Radio after being inactive quite a while...let my license lapse and had to test again - went for Extra Class this time and passed!

Anyhow, I am excited about being back and getting into QRP and homebrewing. It brings back the excitement...listening to my new SMK-1 felt like my first QSO back in 1974. Even though I was only using a piece of wire for an antenna and wasn't ready to transmit!

72/73

Del AD6WE

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-----  
Date: Mon, 16 Apr 2001 15:27:37 -0500  
From: Scott McCullough <mcwood@cornhusker.net>  
To: <qrp-1@lehigh.edu>  
Subject: [96462] Hello & OHR 100  
Message-ID: <200104162027.PAA18682@go.bigred.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hi,

I used to be on the list (n0nid) then then got "too busy" for= radio and dropped off a couple years ago. I have a new call= (nb0w) and my new Sierra kit arrived in the mail today. 8^)

I can't wait to get this rig on the air and start working on= getting my code speed up to where more of you will want answer= my CQ's. 8^)

I have an OHR 100A on 40 that I am going to put up for sale when= I get my Sierra up and running. The OHR was factory aligned and= works very well. The only defect is some small surface scratches= caused by a speaker I had sitting on top of it. I'd be happy to= sand the top down and repaint it if necessary. The only mod is a= three turn tuning pot. I thought the 3/4 turn pot was WAY too= fast so I put a three turn with a counter on it. I made a chart= that shows the relationship between dial/frequency and it works= very well. The original pot will go with it and I could even= reinstall it if the buyer wanted it.

Since I'm "new" back to the list again, I don't know what this= rig should be worth being factory aligned and all. I'd= appreciate some advice on what a "fair" price for both the= seller and I would be.

If you are interested in the OHR, let me know. If building the= Sierra goes as planned, the OHR should be available in a couple= weeks. 8^)

Thanks!  
Scott ~ NB0W  
mcwood@cornhusker.net

-----  
Date: Mon, 16 Apr 2001 16:30:23 -0400  
From: Ed Kessler <edkess@pa.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Cc: "Eastern PA QRP Club" <epaqrp-1@Lehigh.EDU>  
Subject: [96463] FS Icom 706 and RT-11 Tuner  
Message-ID: <5.0.2.1.0.20010416162400.00aa1c20@mailhost.epix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Good afternoon,

I'm "testing the waters" with this.

For sale:  
Original Icom 706 in perfect condition.  
500 Hz CW filter installed.  
Mobile Bracket and Remote interface cable included.  
Original packaging and manual.

Plus:  
An LDG RT-11 Automatic Tuner  
With Icom 706 interface cable.  
Like new.

Asking \$900 plus about \$15 shipping.

Will consider a trade arrangement for a Ten Tec Omni 5.  
Reasonable offers considered.

Thanks for the bandwidth.  
73  
Ed AA3SJ

-----  
Date: Mon, 16 Apr 2001 22:33:58 +0200  
From: Johannes Hiller <HANNES@ulmnetz.de>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [96464] Test do not read  
Message-ID: <3ADB5736.FFDF0733@ulmnetz.de>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

test

-----  
Date: Mon, 16 Apr 2001 22:53:44 +0200  
From: Johannes Hiller <HANNES@ulmnetz.de>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96465] Mini-Paddle available now!  
Message-ID: <3ADB5BD8.2F753997@ulmnetz.de>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello,

we are proud to announce the debut of our new Mini-Paddle on QRP-1 today!

We have updated our homepage last weekend, at <http://www.ulmnetz.de/HANNES/Keyer.html> you can check out pictures of our new product along with ordering information.

Each unit comes with an individual serial number. It also comes with the snap-fit base plate "Quickmount" and a connecting cable for the K1 / K2 transceivers and instructions. Additional base plates in the regular or the magnetic version can be ordered separately. Colors of paddles, body and quickmount can be chosen between black and gray and may also be combined individually.

The unique design allows that the paddles can be shoved into the rugged aluminum enclosure for protection when not in use.

Best greetings from Germany!

72/73, Hannes, DL9SC0

-----  
Date: Mon, 16 Apr 2001 16:48:48 -0400  
From: Bill Coleman <aa4lr@arrl.net>  
To: <w5yr@att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>



Subject: [96466] Re: An Example for URL's  
Message-ID: <1010316164829.QAA27946@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 4/2/01 11:56 PM, George, W5YR at w5yr@att.net wrote:

>Following are three versions of the same URL:

>  
>www.arrl.org  
>  
><www.arrl.org>  
>  
>http://www.arrl.org

I prefer:

<http://www.arrl.org>

Bill Coleman, AA4LR, PP-ASEL            Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Mon, 16 Apr 2001 14:36:00 -0700  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [96467] Re: 817 vs. K2  
Message-ID: <00ac01c0c6bd\$3b6b9a00\$1cf0fc9e@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Michael

I've read many of the replies already generated to your question.  
I'll throw in my own point, as it is an important one to me.

Since I built the K2 and put every component in place in it, I have no fear of repairing it should I ever have a problem. I'm confident I will be able to do this, either on my own, or with the good coaching that's available on the Elecraft reflector. This might not seem a big deal for a QRO station that just sits on a desk. However, QRP rigs get up and travel, and go to

interesting places like Field Day, QRP To The Field, and family vacations, even (shudder) business trips. In the real world, things happen.

An additional feature, to me, is that I can experiment with modifications to my K2. I consider every piece of gear I own to be a "work in progress", and my K2 is no different.

Give all the ideas that have been offered some serious pondering, Michael. We have all been down this same road at one time or another, so your situation is quite familiar to all of us.

Best of luck with whatever approach you settle on.

73, Bob N6WG

-----  
Date: Mon, 16 Apr 2001 17:53:46 EDT  
From: Drbob92031@aol.com  
To: qrp-1@lehigh.edu  
Subject: [96468] qrp'l work from anyplace.  
Message-ID: <2b.140b3d35.280cc3ea@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi to all;  
Was visiting the daughter in Aurora IL. and it was RAINING. So I set up a 20 M inverted "V" in the family room, which happened to have a 20' ceiling. Sat at the kitchen table and worked stations all afternoon on 500 mills. Son-in-law comes home from work and when he saw the setup he knew that his wife's dad had gone over the edge. After a few Bourbons he saw the light of day.  
72/73 de Bob WA2EAW.

-----  
Date: Mon, 16 Apr 2001 17:48:57 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <qrp-1@Lehigh.EDU>  
Cc: "Ed Manuel \ (N5EM\)" <n5em@flash.net>, <AQRP@egroups.com>  
Subject: [96469] Call for papers or show and tell, Austin Summerfest Ham Convention, Aug. 3 & 4, 2001  
Message-ID: <026c01c0c6c7\$6b8f7850\$4e100a0a@rohredt2000>

Hi folks,  
It is not too early to begin thinking what are you going to do after Ft.

Tuthill?

Yes, it is time to firm up papers for the program of Austin Summerfest, which is a full blown ham convention every summer in Austin TX, home of sun and fun! This year it is Fri. Aug. 3 evening swap meet and dinner, and Sat. Aug. 4 for the QRP forum.

This year, we are looking for any new projects you might have ready to go by then. We are already expecting a national author's paper on antennas for the antenna challenged QRPer.

There was talk some summers ago, of a QRP ATV station that could be put in a small attache case. Will we see one? Stay tuned, or if this is your cup of tea, go for it.

Remember this is the top of the sunspot cycle, and if ever you are going to build a 10m QRP rig, this is the time, do we have any in progress someone could show and tell?

What would you like to see covered at a QRP forum?

As always, we plan a Friday night eat out special, and already many thanks to Glen Reid, K5FX, who is lining up some fine door prizes for Fri. and Sat. Thanks to the public spirited QRP vendors, who we will list soon.

We have a new Sheraton location, at easy to find IH 35 N. and Highway 183, in North Austin, but still close enough for the family to go to the Lakes. The Sheraton is one story, with everything nicely accessible on one level.

For those familiar with Austin, this was a former Howard Johnson's site. ) The construction on IH 35 is well away from this location, (and almost done), so should not be a problem for those coming from Houston. (The East). Just come up Highway 71 or 290 to 183, and circle the east side of the city, until 183 crosses IH 35. For those from the North, you come right on down IH 35, and the Sheraton is on the west side. Those coming from the South, just exit on the access road of 183, instead of going up the fly over bridge. Coming from the West you have to get down on the 183 lower level before IH 35. Parking is free.

More information as we get closer! Please let me hear what project you would present.

72,

Stuart K5KVH

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End of QRP-L Digest 2161

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